

Yale Pathology IHC Lab									
GEN NAME	CLONE	DILUTION	AR	MANUFACTURER	CATALOG #	PLATFORM	Common indications	Localization	
ACE-2	Rab Poly	1:1500	V/U/CC1	Abcam	AB15348	Ventana	SARS Cov-2 infection	Cytoplasm or membrane	
ACTH	Rab Poly	1:200	NO	Cell Marque	206A-76	Bond	Pituitary Adenoma- ACTH secreting	Cytoplasm	
ACTIN	HHF35	1:600	NO	Dako	M0635	Bond	Leiomyosarcoma, Rhabdomyosarcoma, Leiomyoma	Cytoplasm	
ADENO	20/11	1:1000	T/V	Chemicon (Sigma)	MAB8052	Ventana	Detects Adenovirus mainly used in transplant patients	Cytoplasm and nucleus	
AFP	C3	Neat	NO	Leica Microsystems	PA0963	Bond	Yolk sac tumor, Hepatoblastoma	Membrane or cytoplasm	
AFP-ISH	probe			ACD/Leica	AFP-L-CE	Bond	Yolk sac tumor, Hepatoblastoma	Membrane or cytoplasm	
Albumin-ISH	probe			ACD/Leica	RS7752	Bond	Hepatocellular carcinoma	Cytoplasm	
ALK	D5F3	1:250	V/U/CC1	Cell Signaling	3633	Ventana	ALCL, IMFT, Lung adeno with ALK rearrangement	Cytoplasm	
AMYLOID A	MC1	1:800	V/U/CC2	Dako	M0759	Ventana	Amyloid A positive tissue	Extracellular	
ANDR REC	AR441	1:150	ER 2 20'	Dako	M3562	Bond	Breast carcinoma, Nasal angiofibroma, sebaceous carcinoma, salivary duct carcinoma	Nucleus	
ARGINASE	Rab Poly	1:500	V/U/CC1	Sigma	HPA003595	Ventana	Hepatocellular carcinoma, Perihilar cholangiocarcinoma	Cytoplasm and nucleus	
ATRX	Rab Poly	1:100	V/U/CC2	Sigma	HPA001906	Ventana	(Loss)High grade astrocytoma, pancreatic NET	Nucleus	
BAF47/INI-1	25/BAF47	1:400	V/U/CC1	BD Transduction	612110	Ventana	(Loss)Epithelioid sarcoma, Rhabdoid tumor, ATRT, Renal medullary carcinoma	Nucleus	
BAP1	C-4	1:100	ER 2 20	Santa Cruz	sc-28383	Ventana	(Loss)Mesothelioma, Uveal Melanoma	Nucleus	
BCC (p63 + 34BE12)	4A4/34B12	VENT	V/U/CC1	Ventana	790-4536	Ventana	Basal cells prostate	Cytoplasm and nucleus	
BCL-2	124	1:150	ER 2 20	Dako	M0887	Bond	Follicular lymphoma, SFT, Synovial sarcoma, Adrenocortical adenoma and carcinoma	Cytoplasm and nucleus	
BCL-6	PG-B6p	1:50	ER 2 20	Dako	M7211	Bond	Follicular lymphoma, Burkitt lymphoma, AITL, DLBCL	Nucleus	
BCL-10	331.3	1:15K	ER 2 20	Santa Cruz	SC-5273	Bond	Pancreas acinar carcinoma, Marginal zone lymphoma	Cytoplasm	
BER EP4	Ber-EP4	1:300	Enz 1 5'	Dako	M0804	Bond	Adenocarcinoma, Synovial sarcoma	Membrane	
BETA AMYL	6F/3D	1:100	FA Fresh 6'	Dako	M0872	Bond	Beta amyloid	Extracellular	
BETA CAT	14	1:100	V/U/CC1	Cell Marque	224M-16	Ventana	Hepatocellular adenoma, fibromatosis, serrated adenomas, SPN of pancreas	Nucleus	
BOB-1	TG14	Neat	V/U/CC1	Leica	PA0558	Bond	B-cell lymphoma, NLPHL	Nucleus	
C Myc	Y69	1:100	ER1 20	Abcam	AB32072	Bond	Burkitt lymphoma, DLBCL, Post radiation Angiosarcoma, CIC-DUX4 sarcoma	Nucleus	
CAIX	Rab Poly	1:500	V/U/CC1	Novus Biologicals	NB100-417	Ventana	Clear cell RCC (diffuse, box-like), clear cell papillary RCC (diffuse, cup-like)	Membrane	
CALCITONIN	Rab Poly	Neat	NO	Dako	N1552	Bond	Medullary thyroid carcinoma, C-cell hyperplasia	Cytoplasm	
CALDESMON	H-CD	Neat	V/U/CC1	Dako	M3557	Ventana	Leiomyoma, Leiomyosarcoma, GIST, Glomus	Cytoplasm	
CALPONIN	CALP	1:1000	V/U/CC1	Dako	M3556	Ventana	Myoepithelial cells in breast, myoepithelioma	Cytoplasm	
CALRETININ	SP65	VENT	V/U/CC1	Ventana	790-4467	Ventana	Mesothelioma, Sex-cord stromal tumors	Cytoplasm and nucleus	
C4d	SP91	Neat	ER1 20	Cell Marque/Leica	PA0972	Bond	Peritubular capillaries in antibody mediated rejection of Renal graft	Membrane and Cytoplasm	
CD1a	EP3622	VENT	V/U/CC1	Cell Marque/Ventana	760-4525	Ventana	LCH, T-ALL	Membrane	
CD2	11F11	Neat	ER2 20	Leica	PA0271	Bond	ANKL, PTCL, ALCL	Membrane	
CD3	2GV6	VENT	V/U/CC1	Ventana	790-4341	Ventana	T-ALL, PTCL, AITL	Membrane or cytoplasm	
CD4	SP35	VENT	V/U/CC1	Ventana	790-4423	Bond	ALCL, BPDCN, AITL, AML M4/M5	Membrane	
CD5	4C7	1:400	ER 2 20'	Leica	NCL-L-CD5-4C7	Bond	SLL/CLL, Mantle cell lymphoma, thymic carcinoma	Membrane	
CD7	CBC.37	1:10	ER1 20	Dako	M7255	Bond	T-ALL, Cholangiocarcinoma,	Membrane	
CD8	C8/144B	Neat	ER1 20	Dako	GA62361-2	Bond	T cell lymphoma (post thymic), splenic hamartoma, melanoma	Membrane	
CD10	56C6	1:40	ER2 20	Cell Marque	110M-16	Bond	B-ALL, Follicular lymphoma, burkitt lymphoma, endometrial stromal sarcoma, Clear cell RCC, SPN of pancreas	Membrane	
CD14	EPR3653	1:50	CC1	Cell Marque	114R-16	Ventana	Histiocytic sarcoma, CMML, AML M4/M5	Membrane	
CD15	MMA+BY87	1:20	ER1 40	Biocare Medical	CM073C	Bond	Hodgkin lymphoma, granulocytic sarcoma	Membrane and golgi	
CD19	BT51E	Neat	ER 2 30'	Leica	PA0843	Bond	DLBCL, B-ALL	Membrane	
CD20	L26	1:200	V/U/CC1	Dako	M0755	Ventana	B-cell lymphoma, NLPHL, CHL	Membrane	
CD21	2G9	Neat	ER2 20	Leica	PA0171	Bond	FDC tumor, littoral cell angioma, Plenic Marginal zone lymphoma	Membrane	
CD22	FPC1	Neat	ER 2 20	Leica	PA0249	Bond	DLBCL, NLPHL, Hairy cell leukemia	Membrane	
CD23	1B12	Neat	ER 2 20	Leica	PA0169	Bond	SLL/CLL, PMBCL, FDC tumor	Membrane	
CD25	4C9	Neat	V/U/CC1	Cell Marque/Ventana	760-4439	Ventana	Hairy cell leukemia, systemic mastocytosis	Membrane	
CD30	BERH2	1:300	YL	Dako	M0751	Ventana	ALCL, CHL, Embryonal carcinoma, PTCL	Membrane	
CD31	JC70A	Neat	ER1 20	Dako	N1596	Bond	Angiosarcoma, hemangioendothelioma, hemangioma, Kaposi's sarcoma	Membrane	
CD34	QBEND10	Neat	V/U/CC1	Ventana	790-2927	Ventana	Kaposi sarcoma, DFSP, SFT, epithelioid sarcoma, AML	Membrane	
CD38	SP149	Neat	V/U/CC1	Cell Marque/Ventana	760-4785	Ventana	Plasma cell neoplasm, Plasmablastic lymphoma	Membrane	
CD43	DF-T1	Neat	V/U/CC2	Dako	IS 636	Ventana	ALCL, PTCL, NK/T cell-nasal type, ALL, Burkitt	Membrane	
CD56	BC56C04	1:200	YL	Biocare Medical	CM 164 C	Ventana	Neuroendocrine tumor, small cell carcinoma, pheochromocytoma, Wilm's tumor	Membrane	
CD57	TB-01	1:50	V/U/CC2	Dako	M7271	Ventana	Neuroendocrine tumors, metanephric adenoma, DCRST	Membrane	

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CD61	2F2	Neat	ER1 20	Leica	PA0308	Bond	AML M7	Membrane
CD68	KP-1	Neat	V/U/CC1	Dako	KP1 N1577	Ventana	AML, CML, Myeloid sarcoma	Membrane
CD68	PG-M1	Neat	Enz 1 5'	Dako	PGM1 N1576	Bond	CMML, Histiocytic sarcoma	Membrane
CD71	H68.4	1:800	CC1	Invitrogen	13-6800	Ventana	AML M6	Membrane
CD79a	HM 57	1:200	ER 2 20'	Dako	M7051	Bond	DLBCL, NPLHL	Membrane
CD99	12E 7	Neat	NO	Dako	IS057	Ventana	Ewing sarcoma, ALL, Synovial sarcoma, Small blue round cell tumors	Membrane
CD117	Rab Poly	1:400	ER1 10	Dako	A4502	Bond	GIST, Adenoid cystic carcinoma, Seminoma	Membrane
CD123	9F5	1:50	V/U/CC1	BD Bioscience	555642	Ventana	BPDCN, systemic mastocytosis	Membrane
CD138	B-A38	Neat	V/U/CC1	Cell Marque	CMA770	Ventana	Plasma cell neoplasm, Plasmablastic lymphoma, Carcinoma	Membrane
CD163	10D6	Neat	V/U/CC1	Abcam	74604	Ventana	Histiocytic sarcoma, JXG, SHML, Giant cell tumor of tendon sheath	Membrane
CDX-2	88	Neat	V/U/CC1	Biocare Medical	PM226AA	Ventana	Colorectal adenocarcinoma, mucinous adenocarcinoma	Nucleus
CEA M	CEA31	Neat	V/U/CC1	Cell Marque	236M-98	Ventana	Cervical adenocarcinoma, Cholangiocarcinoma, Lung adenocarcinoma	Membrane and cytoplasm
CEA P	Rab Poly	Neat	V/U/CC1	Cell Marque	236A-18	Ventana	HCC, Polymorphous adenocarcinoma of salivary gland	Membrane and cytoplasm
CHOR GON (HCG)	Poly	Neat	20'ER1	Leica	PA0014	Bond	Choriocarcinoma, Epithelioid trophoblastic tumors, PSTT	Cytoplasm
CHROMO	5H7	Neat	ER1 20	Leica	PA0430	Bond	Neuroendocrine tumor, Pituitary, Parathyroid, Paraganglioma	Cytoplasm
Chymot	HYMO10-104.10	1:1600	P1 4'V	Chemicon/Millipore	MAB1476-1	Ventana	Pancreatic acinar adenocarcinoma, Pancreatoblastoma	Cytoplasm
CK CAM5.2	CAM5.2	1:20	ENZ1	Cell Marque	452M-97	Ventana	Carcinoma, mesothelioma, synovial sarcoma	Membrane and Cytoplasm
CK 5/6	B4	1:400	ER2 20	Dako	M7247	Bond	Squamous cell carcinoma, basal/myoepithelial cells	Membrane and cytoplasm
CK 7	OV-TL12/30	1:400	PK	Dako	M7018	Ventana	upper GI/breast/lungAdenocarcinoma, mesothelioma, bile ducts	Membrane and Cytoplasm
CK 19	A53-B/A2.26	Neat	Enz 1 5'	Cell Marque	319M-18	Ventana	Cholangiocarcinoma, pancreatic ductal carcinoma,	Membrane and cytoplasm
CK 20	K520.8	1:400	ENZ 1	Dako	PA0299	Bond	Colorectal carcinoma, merkel cell carcinoma	Membrane and Cytoplasm
CK903	34BE12	1:40	V/U/CC1	Dako	M0821	Ventana	Urothelial carcinoma, squamous cell carcinoma, basal/myoepithelial cells	Membrane and Cytoplasm
CLAUDIN-4	3E2C1	1:100	ER2 40	Biocare Medical	ACI3121	Bond	Adenocarcinoma	Membrane
CMV	8B1G52D4	1:100	V/U/CC1	Cell Marque	213M-27	Ventana	CMV colitis, CMV infection	Nucleus
COL4A2	Rab Poly	1:100	prot 20 p1 4'	LS Biosciences	S-C417084/12046	Ventana	Alport Syndrome	Basement Membrane
COL4A3	Rab Poly	1:150	prot 20 p1 4'	LS Biosciences	C144856/198700	Ventana	Alport Syndrome	Basement Membrane
COL4A5	Rab Poly	1:50	prot 20 p1 4'	LS Biosciences	C382814/197962	Ventana	Alport Syndrome	Basement Membrane
COLLAGEN IV	CIV22	1:10	P1 4'V	Dako	M0785	Ventana	Microglandular adenosis, Ameloblastoma	Extracellular
CRP	Y284	1:4000	V/U/CC2	Abcam	AB32412	Ventana	HCC, Hepatocellular adenoma, cholangiocarcinoma	Cytoplasm
CXCLXIII	53610	1:50	V/U/CC1	R&D	MAB801	Ventana	AITL, PTCL with T follicular helper phenotype	Cytoplasm
CYCLIND1R	SP4*	1:50	V/U/CC1	Biocare Medical	CRM307CK	Ventana	Mantle cell lymphoma, Multiple myeloma, High grade ESS	Nucleus
D240	D2-40	1:200	V/U/CC1	Dako	M3619	Ventana	Seminoma, mesothelioma, FDC tumor, Lymphatics	Membrane
DESMIN	D33	1:250	V/U/CC1	Dako	M0760	Ventana	Leiomyoma, Leiomyosarcoma, Rhabdomyosarcoma	Cytoplasm
DOG-1	K9	1:100	V/U/CC1	Novocastra	NCL-L-D0G1	Ventana	GIST, Acinic cell carcinoma, Chondroblastoma	Membrane and cytoplasm
DNAJB9	Rab Poly	1:200	V/U/CC2	Sigma	J118233	Ventana	Fibrillary glomerulonephritis	Cytoplasm
E-CADHERIN	NCH38	1:40	V/U/CC1	Dako	M0821	Ventana	Lobular carcinoma breast, diffuse gastric carcinoma	Membrane
EBER-ISH	probe	Neat	E1 5'	Leica	ISH5687-A	Bond	Hodgkin lymphoma, EBV-DLBCL, NK/T-cell lymphoma, PTLD	Nucleus
EBV-LMP	CS1-4	Predilute		Cell Marque	245M-18-ASR	Ventana	Hodgkin lymphoma, EBV-DLBCL, NK/T-cell lymphoma	Membrane
EMA	E29	1:250	NO	Dako	M0613	Ventana	Adenocarcinoma, sebaceous carcinoma	Membrane
ER	SP-1	1:50	ER 2 20'	Cell Marque	1231906B	Bond	Breast carcinoma, endometrial adenocarcinoma	Nucleus
ERG	9FY	1:100	CC1 40'	Biocare Medical	CM421C	Ventana	Vascular tumors, prostate adenocarcinoma, myeloid sarcoma	Nucleus
Fascin	IM 20	Neat	ER 1 20'	Leica	PA0420	Bond	Follicular dendritic cell tumor, Hodgkin lymphoma, Langerhans cell Histiocytosis	Cytoplasm
FH	J13	1:1000	V/U/CC1	Santa Cruz	SC100743	Ventana	(Loss)FH def-Leiomyoma, HLRCC	Cytoplasm
FSH	C10	1:50	NO	Dako	M3504	Bond	Pituitary adenoma-FSH secreting	Cytoplasm
FVIII(VWF)	Rab Poly	1:4000	P1 V	Dako	A0082	Ventana	Vascular tumors, AML M7, thrombus	Cytoplasm
FXIIIa	AC1A1	1:100	NO	Abcam	AB1834	Ventana	Dermatofibroma, JXG	Cytoplasm
GALECTIN	9C4	Neat	ER 1 10'	Cell Marque	255M-15	Bond	Thyroid carcinoma, parathyroid carcinoma	Cytoplasm and nucleus
GASTRIN	Rab Poly	1:1600	NO	Dako	A0568	Ventana	Neuroendocrine tumor, Antral mucosa- G-cells	Cytoplasm
GATA 3	L50823	1:500	ER2 20	Biocare Medical	CM405A	Bond	Breast carcinoma, urothelial carcinoma, squamous cell carcinoma	Nucleus
GCDFP15	D6	Neat	V/U/CC1	Biocare Medical	PM113AA	Ventana	Breast carcinoma, salivary duct carcinoma	Cytoplasm
GFAP	GA5	1:10	ER 2 10'	Leica	PA0026	Bond	Astrocytoma, oligodendroglioma, GBM, Pleomorphic adenoma	Cytoplasm
GH (HGH)	Rab Poly	1:100	NO	Cell Marque	208A-76	Bond	Pituitary adenoma- GH secreting	Cytoplasm
GLYPICAN	1G12	Neat	V/U/CC1	Cell Marque	261M-98	Ventana	Yolk sac tumor, HCC	Cytoplasm or membrane
GLUT-1	Rab Poly	Neat	V/U/CC1	Cell Marque/Ventana	760-4526	Ventana	Perineurioma, Infantile hemangioma	Membrane

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GLU SYN	GS-6	1:250	CC2 24'	Millipore	MAB302	Ventana	FNH, HCC, SPN of pancreas	Cytoplasm
GRANZYMEB	Rab Poly	Neat	V/U/CC1	Cell Marque	262A-18	Ventana	NK/T-cell lymphoma, ALCL	Cytoplasm
H PYLORI	Rab Poly	1:100	ER2 20	Dako	B0471	Bond	H. Pylori gastritis	Organism
HBME	HBME-1	1:120	CC mid	Dako	M3505	Ventana	Thyroid carcinoma, Mesothelioma	Membrane
H+/K+ ATPase	H-7	1:2000	V/U/CC2	Santa Cruz	SC-376385	Ventana	Oxyntic mucosa-Parietal cells	Cytoplasm
Hemoglobin A	EPR3608	1:300	ER1 20	Cell Marque	360R-16	Bond	Erythroid cells, AML M6, MDS	Cytoplasm
HEPBcAg	Rab Poly	Neat	NO	Cell Marque	216A-18	Bond	Active Hepatitis B	Nucleus
HEPBsAg	A10F1	1:8	NO	Cell Marque	217M-28	Bond	Hepatitis B	Cytoplasm
HEP-PAR1	OCH1E5	1:100	CC1 20'	Dako	M7158	Ventana	HCC, Hepatoid adenocarcinoma	Cytoplasm
HER2/ERBB2	EP3	1:100	ER 1 40'	bitomics via Cell Marque	AC-0014	Bond	Breast carcinoma, Gastric carcinoma, Endometrial carcinoma	Membrane
HHV-8	LN53	1:400	V/U/CC1	Millipore	MABE1109	Ventana	Kaposi sarcoma, primary effusion lymphoma, Castleman disease	Nucleus
HMB 45	HMB45	1:50		Dako	M0634	Ventana	Melanoma, clear cell sarcoma, PECOMA	Cytoplasm
HNF 1B	Rab Poly	1:500	V/U/CC2	Sigma	HPA002083	Ventana	Clear cell carcinoma, Cholangiocarcinoma	Nucleus
HSP-70	2A4	1:800	NO	Abcam	AB5442	Ventana	HCC, squamous cell carcinoma	Cytoplasm
HSV I&II	4F10.3	1:800	NO	Millipore	MAB821	Bond	HSV-colitis, pneumonia	Nucleus
IDH1	HO9	1:40	V CC2	Dianova	Dia H09	Ventana	Astrocytoma, Oligodendroglioma, AML, Chondrosarcoma	Cytoplasm
IDH2	R172S	1:2000	ER 2	New East Biosciences	26408	Bond	Astrocytoma, Oligodendroglioma, AML, Chondrosarcoma,Cholangiocarcinoma, Sinonasal carcinoma	Cytoplasm
IgA	Rab Poly	Predilute	V/U/CC1	Ventana	760-2652	Ventana	Multiple myeloma, ALCL	Cytoplasm
IgD	Rab Poly	Predilute	V/U/CC1	Ventana/Cell Marque	760-4444	Ventana	NLPHL, MZL, multiple myeloma	Cytoplasm
IgG	Rab Poly	Predilute	V/U/CC1	Ventana	760-2653	Ventana	MZL, DLBCL	Cytoplasm
IgG4	HP6023	1:1500	P1 V	Millipore	MAB1312	Ventana	IgG4 related disorders	Cytoplasm
IgM	Rab Poly	Predilute	V/U/CC1	Ventana	760-2654	Ventana	MZL, SLL/CLL, Mantle cell lymphoma	Cytoplasm
INHIBIN	MRQ-63	Predilute	V/U/CC1	Ventana (Roche)	760-2834	Ventana	Adrenocortical tumors, sex cord stromal tumors	Cytoplasm
INSM1	A8	1:200	ER2 20	Santa Cruz	SC-271408	Bond	Neuroendocrine tumor, paraganglioma	Nucleus
IRF8	ERP20441	1:200	CC2 92	Abcam	Ab207414	Ventana	Acute monocytic leukemia, BPDCN	Nucleus
IRF8 + CD34	441 + QBEND10	1:200 / Neat	CC2 92 / 32	Abcam/Ventana	207418/790-2927	Ventana	Acute monocytic leukemia, AML	Nucleus+Membrane
KAPPA	Rab Poly	1:2	V/U/CC1	Dako	IS 50661	Ventana	Multiple myeloma, MZL	Cytoplasm
Kappa ISH	probe	Predilute	ENZ1	Leica	ISH5748-A	Bond	Multiple myeloma, MZL	Cytoplasm
KERAE1/3	AE1/3	1:4000	ENZ1	Chemicon	MAB3412	Bond	Carcinoma, mesothelioma, synovial sarcoma	Membrane and cytoplasm
KI-67	MIB-1	1:300	ER2 20	Dako	M7240	Bond	Proliferation- NET, HSIL	Nucleus
LAMBDA	Rab ploy	1:2	V/U/CC1	Dako	IS507	Ventana	Multiple myeloma, MZL	Cytoplasm
Lambda ISH	probe	Predilute	ENZ 1	Leica	ISH5770-A	Bond	Multiple myeloma, MZL	Cytoplasm
LCA	2B11+PD7/26	1:400	ER1 20	Dako	M0701	Bond	Non-hodgkin lymphoma, NLPHL	Membrane
LEF-1	EPR2029Y	1:100	ER1 20	Abcam	AB137872	Bond	SLL/CLL, SPN of pancreas, Basal cell adenoma	Nucleus
LFABP	Rab Poly	1:100	V/U.CC2	Abcam	AB190958	Ventana	HCC, Hepatocellular adenoma	Cytoplasm
LH	C93	1:400	N	Dako	M3502	Bond	Pituitary adenoma-FSH secreting	Cytoplasm
LYSOZYME	Rab Poly	VENT	V/U/CC1	Ventana	760-2656	Ventana	AML M4/M5, Histiocytic sarcoma	Cytoplasm
Mammagl	3041A5	1:200	V/U/CC1	Dako	M3625	Ventana	Breast acrcinoma, Secretory carcinoma	Cytoplasm
MLH-1	BC23	Neat	ER2 20	Biocare Medical	API13214AA	Bond	colon carcinoma, Endometrial carcinoma	Nucleus
MSH-2	FE11	Neat	ER2 20	Biocare Medical	PM219AA	Bond	colon carcinoma, Endometrial carcinoma	Nucleus
MSH 6	BC19	Neat	ER2 20	Biocare Medical	API3215AA	Bond	colon carcinoma, Endometrial carcinoma	Nucleus
MASTRY	AA1	1:400	V/U/CC2	Dako	M7052	Ventana	Mast cell tumor	Cytoplasm
MELAN-A	A103	1:100	ER1 20	Dako	N1521	Bond	Melanoma, clear cell sarcoma, PECOMA, Adrenal cortex tumors	Cytoplasm
MHCs	WB-MHCs	1:25	ER2 20	Novocastra (Leica)	NCL-MHCs	Bond	Myopathy (Type I muscle fiber)	Cytoplasm
MHCf	WB-MHCf	1:100	ER2 21	Novocastra (Leica)	NCL-MHCf	Bond	Myopathy (Type II muscle fiber)	Cytoplasm
MNF 116	MNF116	1:1400	Enz 1 5'	Dako	M0821	Bond	Carcinoma, mesothelioma, synovial sarcoma	Membrane
MOC31	MOC31	Neat	V/U/CC1	Biocare Medical	PM403AA	Ventana	Adenocarcinoma	Membrane
MTAP	2G4	0.3194444	ER1 20	Abnova	H00004507-MO-1	Bond	(Loss CDKN2A) Mesothelioma, Meningioma	Nucleus and cytoplasm
MUC2GP	Ccp58	Neat	ER 2 20	Leica	PA0155	Bond	Mucinous adenocarcinoma of colon, pancreas, ovary	Cytoplasm
MUC5AC	45M1	Neat	N	Biogenex	AM456-5M	Ventana	Gastric adenocarcinoma, mucinous ovarian carcinoma	Cytoplasm
MUC6	CLH5	Predilute	ER2 20	Leica	PA0053	Bond	Gastric adenocarcinoma, Cervix adenocarcinoma	Cytoplasm
MUM-1	MUM1P	1:50	V/U/CC2	Dako	M7259	Ventana	Multiple myeloma, DLBCL, ALCL	Nucleus
MyB	EP769Y	1:400	ER2 20	Abcam	Ab45150	Bond	Adenoid cystic carcinoma, Cylindroma	Nucleus
Myb-RNA	probe			ACD/Leica	419708	Bond	Adenoid cystic carcinoma	Cytoplasm and nucleus

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MYELOP	Poly	1:2k	ER 1 20'	Dako	A0398	Bond	AML, AMML, Myeloid sarcoma	Cytoplasm
MyoD1	EP212	1:100	ER2 22	Cell Marque	386R-16	Bond	Rhabdomyosarcoma, biphenotypica sinonasal sarcoma	Nucleus
MYOGENIN	F5D	Neat	ER 1 20'	Dako	M3559	Bond	Rhabdomyosarcoma, pleuropulmonary blastoma	Nucleus
Myoglobin	Rab Poly	1:100	V/U/CC2	Cell Marque	297A-76	Ventana	Rhabdomyosarcoma, myxoma	Cytoplasm and membrane
NapsinA	TMU-A	1:4k	V/U/CC1	Novus	NB110-68133	Ventana	Lung adenocarcinoma, clear cell carcinoma	Cytoplasm
Neu N	A60	1:800	V/U/CC1	Chemicon	MAB377	Ventana	Neurocytoma	Nucleus
NF	2F11	Neat	NO	Dako	IS607	Ventana	neurocytoma, neuroblastoma	Cytoplasm
NKX3.1	Rab Poly	1:100	V/U/CC1	Biocare Medical	CP422B	Ventana	Prostate adenocarcinoma, mesenchymal chondrosarcoma	Nucleus
NOR-1	H-7	1:50	ER1 30'	Santa Cruz	SC393902	Ventana	Acinic cell carcinoma	Nucleus
NSE	MRQ-55	Neat	V/U/CC1	Ventana/Cell Marque	760-4786	Ventana	Neuroendocrine tumor, Neuroblastoma	Cytoplasm
NUT	C52B1	1:50	CC2 56'	Cell Signaling	3625	Ventana	NUT-carcinoma, Spermatocytic tumor	Nucleus
OCT#2	Rab Poly	1:40	V/U/CC1	Thermo (Neomarkers)	RB-9297-P	Ventana	DLBCL, NLPHL, B-cell lymphoma	Nucleus
OCT#4	MRQ-10	Neat	V/U/CC1	Cell Marque	309M-18	Ventana	Seminoma, embryonal carcinoma	Nucleus
P16	E6H4	Neat	V	Ventana	705-4793	Ventana	SCC cervix, small cell carcinoma, Oropharyngeal SCC	Nucleus and cytoplasm
p40	BC28	1:200	V/U/CC1	Biocare Medical	AP13-66AA	Ventana	Squamous cell carcinoma, Urothelial carcinoma, mucoepidermoid carcinoma	Nucleus
p40+CK5/6	MMBC28+D5/6B4	1:200;1:300	V/U/CC1	Biocare/Dako	CC13066C/M7237	Ventana	Squamous cell carcinoma	Nucleus+Membrane
P53	DO7	1:6000	V/U/CC1	Dako	M7001	Ventana	Glial tumors, Serous carcinoma	Nucleus
p57	Kip2	1:100	v/u/cc2	Novocastra (Leica)	P57-L-U	Ventana	(Loss) Complete hydatidiform mole	Nucleus
p63	4A4	Predilute	V/U/CC1	Ventana	790-4509	Ventana	Squamous cell carcinoma, myoepithelial cells, myoepithelioma, urothelial carcinoma	Nucleus
P120	98/pp120	1:500	V/U/CC1	BD Transduction	610133	Ventana	ILC (cytoplasmic), IDC (Membranous)	Cytoplasm or membrane
p504s	13H4	1:200	V/U/CC1	Dako	M3616	Ventana	Prostate adenocarcinoma, Papillary RCC	Cytoplasm
Pan Trk	EPR17341	1:500	CC1 53	Abcam	Ab181560	Ventana	Infantile fibrosarcoma, Cogenital mesoblastic nephroma, Secretoty carcinoma	Cytoplasm or nucleus
Parafibrin	2H1	1:400	ER 2 40'	Santa Cruz	#NAME?	Bond	Parathyroid adenoma, Clear cell papillary RCC	Nucleus
PARATHY	MRQ-31	Neat	V/U/CC1	Cell Marque	310M-28	Ventana	Parathyroid adenoma	Cytoplasm
PAX-5	SP34	Neat	V/U/CC1	Ventana	790-4420	Ventana	DLBCL, NLPHL, B-cell lymphoma	Nucleus
PAX-8(M)	BC12	1:25	ER 2 20'	Biocare Medical	ACI 438-C	Bond	RCC, Ovarian carcinoma, Thyroid carcinoma	Nucleus
PAX-8(P)	Rab Poly	Neat	V/U/CC1	Cell Marque	3634A18	Ventana	RCC, Lymphoma, Mesothelioma, Ovarian carcinoma, Thyroid carcinoma	Nucleus
PD-1	NAT105	1:100	V/U/CC1	Cell Marque/Ventana	D-4895/315M-917	Ventana	AITL, PTCL with T follicular helper phenotype, NLPHL	Membrane
PD-L1	E1L3N	1:100	ER 2 40'	Cell Signaling	13684	Bond	Lung carcinoma, Urothelial carcinoma,	Membrane
PEPSINOGEN	Rab Poly	1:1000	V/U/CC2	Novus Biologicals	NBP2-54730	Ventana	Oxyntic mucosa-Chief cells	Cytoplasm
NP9 (PGP9.5)	Rab Poly	1:300	V/U/CC2	Dako	Z5116	Ventana	Schwannoma, MPNST, Granular cell tumor	Cytoplasm
PHF TAU	AT8	1:2000		Thermo Scientific	MN1020	Ventana	Alzheimer's disease	Cytoplasm
PHOX2B	EPR14423	1:100	CC1 52	Abcam	Ab183741	Ventana	Neuroblastoma, Hirschprung's disease	Nucleus
PIN4	Human and Mouse Abs		V/U/CC1	Dako/Ventana	M3616/790-1010	Ventana	prostate adenocarcinoma	Membrane, cytoplasm, nucleus
PIT-1	D-7	1:100	V/U/CC2	Santa Cruz	SC393943	Ventana	Pituitary adenoma	Nucleus
PMS-2	A16-4	Neat	ER2 20	Biocare Medical	PM344AA?	Bond	colon carcinoma, Endometrial carcinoma	Nucleus
PSA	35H9	Neat	ER1 10'	Leica Microsystems	PA0431	Bond	prostate adenocarcinoma	Cytoplasm
PSAP	PASE/4LJ	Neat	NO	Leica	PA0006	Bond	prostate adenocarcinoma	Cytoplasm
PL	Rab Poly	Neat	NO	Cell Marque	266A-18	Ventana	PSST, Choriocarcinoma	Cytoplasm
PLAP	NB10	Predilute	V/U/CC1	Ventana	760-2664	Ventana	Seminoma, ETT	Membrane and cytoplasm
PR	PgR636	1:200	ER 1 20'	Dako	M3569	Bond	Breast carcinoma, Meningioma	Nucleus
PROLACTIN	Rab Poly	Neat	V/U/CC1	Ventana/Cell Marque	760-2803	Ventana	Pituitary adenoma- prolactin secreting	Cytoplasm
RB-1	G3-245	1:50	CC1 52'	BD pharmagen	55436	Ventana	Loss(Small cell carcinoma, spindle cell lipoma)	Nucleus
S-100	Rab Poly	Neat	NO	Dako	N1573	Bond	Melanoma, Schwannoma, Enchondroma	Nucleus and cytoplasm
SALL-4	6000	1:100	V/U/CC2	Sigma	WH0057167M3	Ventana	seminoma, embryonal carcinoma, yolk sac tumor	Nucleus
SATB2	EP281	1:100	V/U/CC1	Cell Marque	384R-16	Ventana	Colorectal carcinoma, Osteosarcoma, Merkel cell carcinoma	Nucleus
SARS Coronavirus NP	B46F	1:200	ER1 30'	Invitrogen	MA1-7404	Bond	SARS Cov-2 infection	Cytoplasm
Smooth Muscle Myosin	SMMS-1	1:150	CC1 36'	Biocare Medical	CM420B	Ventana	Leiomyoma, Leiomyosarcoma, basal cell adenoma	Cytoplasm
SARS/SARS-Co-V-2Co	B46F	1:200	ER1 30'	Invitrogen	MA1-7404	Bond	SARS Cov-2 infection	Cytoplasm
SDHB	Rab Poly	1:200	ER 1 10'	Sigma	B57782	Bond	(Loss)Paraganglioma, GIST	Cytoplasm
SF1	N1665	1:100	ER 2 20'	Life Technologies	434200	Bond	Pituitary adenoma-GnRH secreting, Adrenocortical tumors, Sex cord stromal tumors	Nucleus
SMA	1A4	Neat	20080393	Dako	N1584	Bond	Leiomyoma, Leiomyosarcoma, Glomus tumor	Cytoplasm
SMAD4	EP618Y	1:100	V/U/CC1	Abcam	AB40759	Ventana	Loss(Pancreaticobiliary carcinoma, Juvenile polyps	Nucleus
SMARCA4 (BRG-1)	G-7	1:500	ER2 30'	Santa Cruz	SC-17796	Bond	(loss)SMARCA4 deficient-lung carcinoma, sinonasal tumors, thoracic sarcoma	Nucleus

