

Automated Immunohistochemistry

updated March 2017*

Antibody	Antibody Specifications	Company	Item #	Host
ACE	ACE, HBB2/264/20-s, DSHB sup, mouse	Developmental Studies Hybridoma Bank	HBB2/264/20-s	Mouse
ALK	ALK (D5F3) rabbit monoclonal	Cell Signaling	#3633	Rabbit
aquaporin	anti-human-aquaporin-0, abcam 134695, rabbit polyclonal	abcam	134695	Rabbit
AR	Anti-Androgen Receptor (D6F11) XP, Rabbit Monoclonal	Cell Signaling	5153S	Rabbit
B220	BB20 clone RA3-6B2 anti mouse rat monoclonal, e-bioscience 14-0452	e-bioscience	14-0452	Rat
BRD4	anti-Brd4 antibody (EPR5150(2))	abcam	ab128874	Rabbit
CA9	CAIX pAb anti-carbonic Anhydrase IX, Rabbit Polyclonal	Novus Biological	NB 100-417	Rabbit
Caspase-3	anti- cleaved Caspase-3	Promega	G7481	Rabbit
CD117	CD117, c-kit, Anti-Human, Polyclonal Rabbit, Dako, A	Dako	A4502	Rabbit
CD138	Anti-CD138/Syndecan-1 (B-A38), Mouse Monoclonal	Cell Marque	138M-15	Mouse
CD163	anti-CD163, mouse monoclonal (10D6)	Thermo Scientific	MS-1103-S1	Mouse
CD19	Anti-human CD19 (c-terminus), Rabbit polyclonal	LSBio	LS-B3624	Rabbit
CD20	CD20 antibody	Thermo Scientific	PA5-167-1	Rabbit
CD20	anti-CD20, rabbit monoclonal (SP32)	abcam	ab64088	Rabbit
CD3	anti-CD3, rabbit monoclonal (SP7)	Thermo Scientific	RM-9107-S0	Rabbit
CD3	anti-human cd3 (SP7)	Spring Bioscience	M3070	Rabbit
CD3	Anti-CD3, Clone F7.2.38, Mouse Monoclonal	Dako	M7254	Mouse
CD3e	CD3e: rabbit, anti-human polyclonal: Dako, A045229	Dako	A045229	Rabbit
CD31	Anti-CD31 antibody rabbit polyclonal	abcam	ab28364	Rabbit
CD45	Anti-human CD45, Leukocyte Common Antigen, clones 2B11 + PD7/26, M	Dako	M0701	Mouse
CD45	anti-CD45, mouse monoclonal (HI30)	Thermo Fisher Scientific	14-0459-82	Mouse
CD66b	anti-CD66b, mouse monoclonal (G10F5)	BD Pharmingen	555723	Mouse
CD68	anti-rat CD68, mouse monoclonal (ED1)	Bio Rad	MCA341GA	Mouse
CD68	Anti-CD68, Clone KP1, Mouse Monoclonal	Dako	M0814	Mouse
CD68	anti-CD68, mouse monoclonal (PG-M1)	abcam	ab783	Mouse
CD8	anti-rat CD8, mouse monoclonal (OX-8)	Thermo Fisher Scientific	MA1-81595	Mouse
CGA	Anti-Human Chromogranin A, Monoclonal Mouse, Clone DAK-A3	Dako	M0869	Mouse
CGA	Anti-Chromogranin A (LK2H10)	Ventana	760-2519	Mouse
c-myc	anti-c-myc antibody (Y69)	abcam	ab32072	Rabbit
Cox-2	Anti-Cox 2, Clone Cx-294, Mouse Monoclonal	Dako	M3617	Mouse
Cytokeratin	Anti-cytokeratin, Clones AE1/AE3, Mouse Monoclonal	Dako	M3515	Mouse
DC-LAMP	anti-DC-LAMP, rat monoclonal (1010E1.01)	Novus Biological	DDX0191P-100	Rat
DC-SIGN	anti-DC-SIGN, mouse monoclonal (DC28)	Santa Cruz	sc-65740	Mouse
E-CAD	E-Cadherin, Clone: NCH-38	Dako	M3612	Mouse
ErbB2	Anti-ErbB 2 antibody [EP1045Y]	abcam	ab134182	Rabbit
ERG	Anti-ERG, Rabbit Monoclonal	Epitomics	2805-1	Rabbit
F4/80	F4/80 clone cl:A3-1: rat, anti-mouse monoclonal (1d	Biorad	#MCA 497A647	Rat
FAS	Anti-Fatty Acid Synthase, Mouse Monoclonal	BD Biosciences	610963	Mouse
FGF2	Anti-FGF2, Rabbit	Santa Cruz Bio	sc-79	Rabbit
Glypican	Anti-glypican 3	abcam	ab66596	Rabbit
H3K12	Anti-Histone H4 (acetyl K12), Rabbit Polyclonal	abcam	ab61238	Rabbit
H3K18	Anti-Histone H3 (acetyl K18), ChIP grade	abcam	ab1191	Rabbit
H3K27	Tri-Methyl-Histone H3 (Lys27) Clone: C36B11	Cell Signaling	9733	Rabbit
H3K4	Tri-Methyl-Histone H3 (Lys4) Clone: C42D8	Cell Signaling	9751	Rabbit
H3K9	Histone H3 (tri methyl K9) polyclonal	abcam	ab8898	Rabbit
H3K9	Anti-Histone H3 (acetyl K9), ChIP grade, Rabbit Polyclonal	abcam	ab4441	Rabbit
HDAC3	HDAC3 (H-99)	Santa Cruz Biotechnology	sc-11417	Rabbit
HDAC6	HDAC6 (H-300)	Santa Cruz Biotechnology	sc-11420	Rabbit
HIF-1	anti-HIF-1 alpha, rabbit polyclonal	Novus Biological	NB100-479	Rabbit
HNF4	Hepatocyte nuclear factor 4-alpha	Perseus Proteomics	PP-K9218-00	Mouse
IF16	Anti-IF16, Rabbit Polyclonal	abcam	ab12126	Rabbit
Ki-67	Anti-Ki67, (SP6), Rabbit Monoclonal	abcam	ab16667	Rabbit
LSD1	Anti-LSD1, Rabbit Polyclonal	Cell Signaling	2139	Rabbit
MAO-A	Anti-MAO-A, (H70), Rabbit Polyclonal IgG	Santa Cruz Bio	sc-20156	Rabbit
MCSF/CSF1R	anti-MCSF, rabbit monoclonal (SP211)	abcam	ab183316	Rabbit
MHCII	anti-MHC Class II, rabbit monoclonal (EPR11226)	abcam	ab157210	Rabbit
MMP-1	Anti-Matrix Metalloproteinase-1, clone EP1247Y, Rabbit Monoclonal	Epitomics	1973-1	Rabbit
myosin	myosin, f59-s, DSHB, mouse sup	Developmental Studies Hybridoma Bank	f59-s	Mouse
N-CAD	N-Cadherin	Dako	M3613	Mouse
NFATc1	Anti-NFATc1, Mouse	Thermo Scientific	MA3-024	Mouse
NFATc2	Anti-NFATc2, (M-300), Rabbit Polyclonal	Santa Cruz Bio	sc-13034	Rabbit
NFATc3	Anti-NFATc3, (M-75), Rabbit polyclonal	Santa Cruz Bio	sc-8321	Rabbit
NFkB	Anti-Nuclear Factor B, clone E379, Rabbit Monoclonal	Epitomics	1546-1	Rabbit
NKp46/NCR1	anti-NKp46, mouse monoclonal (195314)	R&D systems	MAB1850-500	Mouse
p21	Anti-p21, Waf1/Cip1 (12D1), Rabbit Monoclonal	Cell Signaling	2947	Rabbit
PDL-1	Anti-human PDL-1/CD274 (Clone SP142)	Spring Bioscience	M4420	Rabbit
PD-L1	anti-PD-L1, rabbit monoclonal (E1L3N)	Cell Signaling	13684	Rabbit
P-FAK	Anti-FAK, (phospho Y576), Rabbit Polyclonal	abcam	ab55335	Rabbit
PKCα	Anti-PKC alpha (Y124), Rabbit Monoclonal	Novus Biological	NB110-57356	Rabbit
PLGF	Anti-human PLGF, Rabbit Polyclonal	abcam	ab9542	Rabbit
p-S6	Anti-phospho-S6 ribosomal protein, Ser 235/236	Cell Signaling	2211S	Rabbit
PSA	Anti-Human Prostate Specific Antigen	Dako	A0562	Rabbit
PSA	Anti-Prostate Specific Antigen, Rabbit Polyclonal	Ventana	760-2506	Rabbit
PTEN	Anti-PTEN, (D4.3) XP, Rabbit Monoclonal	Cell Signaling	9188S	Rabbit
SMA	anti-alpha smooth muscle actin, rabbit polyclonal	Thermo Fisher Scientific	PA5-16697	Rabbit
Src	Anti-Src (36D10), Rabbit Polyclonal	Cell Signaling	2109	Rabbit
Src	Anti-Src, Rabbit Polyclonal	abcam	ab 105215	Rabbit
Src	Anti-Src (phospho 575), Rabbit Polyclonal	abcam	79308	Rabbit
TAOK3	Anti-TAOK3/JIK Antibody (aa1-50)	LSBio	LS-B11301	Rabbit
TGFb3	TGFb3, D-B3(act)-s, DSHB, mouse sup	Developmental Studies Hybridoma Bank	D-B3(act)-s	Mouse
TH	anti tyrosine hydroxylase, AB152, rabbit polyclonal	EMD Millipore	AB152	Rabbit
TKs5	anti-Tks5	n/a	n/a	Rabbit
Tryptase	anti-Tryptase, mouse monoclonal (AA1)	abcam	ab2378	Mouse
VegF R1/2	anti-VegF Receptor 1/2, rabbit polyclonal	Thermo Fisher Scientific	PA1-16612	Rabbit
VHL	Anti-VHL, Mouse	BD Pharmingen	556347	Mouse

*Antibodies are always being optimized at HSR. Please contact for most current information. IHC Contact: Jenny Eng, milljen@ohsu.edu. 4-9631