

Antibody Name	Target/Antibody Name	Full gene / protein name	Synonyms	Official gene symbol	UniProt ID
ABCA4	ABCA4	ATP-binding cassette sub-family A member 4	ABCR, ARMD2, CORD3, FFM, RP19, STGD, STGD1, Abc10, D43000315Rik, Rim protein, RmP	ABCA4	P78363
Albumin	Albumin				
Alpha Smooth Muscle Actin	Alpha Smooth Muscle Actin	Actin, alpha 2, smooth muscle, aorta	ACTSA, AAT6, ACTVS, MYMY5, alpha-cardiac actin, cell growth-inhibiting gene 46 protein	ACTA2	P62736
ARR3	ARR3	Arrestin 3, retinal	R-arrestin, X-arrestin, ARR3, Arr4, arrestin 4, CAR, cone arrestin, mCAR, mCARFL, X-arrestin, ARRC	ARR3	P36575
BRN3A	BRN3A (PO4F1)	POU domain, class 4, transcription factor 1	POU4F1, BRN-3α, N-Oct-4, Bm-3, Bm3, Bm-3.0, Bm3a, E130119J07Rik, PO4F1	POU4F1	Q01851
Cas12/2	Cas12/2	CRISPR-associated protein 12/2	—	CAS12/2	NA
CD138	CD138	Syndecan-1	SDC1, CD138, syn-1, Synd, Synd1	SDC1	P18827
CD163	CD163 (C163A)	Scavenger receptor cysteine-rich type 1 protein M130	M130, SCAR6, C163A	CD163	Q86VB7
CD19	CD19	B-lymphocyte antigen CD19	B4	CD19	P15391
CD20	CD20	B-lymphocyte antigen CD20	B-lymphocyte surface antigen B1, Bp35, Leukocyte surface antigen Leu-16, Membrane-spanning 4-domains subfamily A member 1	MS4A1	P11836
CD3	CD3	CD3 complex (epsilon, gamma, delta)	CD3, CD3epsilon, T3e	CD3E / CD3G / CD3D	Q03E: P07766
CD31/ PECAM-1	CD31	Platelet endothelial cell adhesion molecule	PECAM1, Cd31, PECAM-1	PECAM1	P16284
CD34	CD34	Hematopoietic progenitor cell antigen CD34	MO1, PC105	CD34	P28906
CD38	CD38	Cyclic ADP-ribose hydrolase	ADPRC1, CD38 molecule, Cd38-rs1	CD38	P28907
CD4	CD4	T-lymphocyte surface glycoprotein CD4	L3T4, Leu3, L3T4, Ly-4	CD4	P01730
CD44	CD44	CD44 molecule (Indian blood group)	Pgp-1, Hermes antigen, HERMES, Ly-24, Pgp-1	CD44	P16070
CD45	CD45	Protein tyrosine phosphatase, receptor type C	Leukocyte common antigen, LCA, B220, CD45, Ly-5, Lyt-4, T200	PTPRC	P08575
CD68	CD68	CD68 molecule	Macrosialin, SCARD1, gp110, Lamp4, macrosialin, Scard1	CD68	P34810
CD8	CD8	CD8 molecule	T-cell surface glycoprotein CD8, Ly-2, Ly-35, Ly-B, Lyt-2	CD8A	P01732
CD81	CD81	CD81 molecule	TAPA-1, Target of antiproliferation antibody 1, Tapa-1, Tapa1, Tspan28	CD81	P60033
CD85j	CD85j	Leukocyte immunoglobulin-like receptor subfamily B member 5	LILRB5	LILRB5	Q9V5W2
ChAt	Choline Acetyltransferase	Choline O-acetyltransferase	ChAT, Choline acetylase, B230380D24Rik	CHAT	P28329
CHP (5-FAM)	CHP (5-FAM)	Calponin homology protein (used as a fluorescent tag)	—	—	=
Claudin-5	Claudin-5	Claudin 5	CLDN5, AWAL, BEC1, TMVCF, TMDVCF, CPETRL1	CLD5	Q00501
Cleaved Caspase 3	Cleaved Caspase 3	Caspase-3	CPP32, Yama, Apopain, A830040C14Rik, AC-3, Apopain, Caspase-3, CC3, CPP32, mldy, Yama	CASP3	P42574
Coronin 1a	Coronin 1a	Coronin 1A	CRN1A	CORO1A	P31146
DDDDK tag	DDDDK tag	—	FLAG tag	—	=
DYKDDDK	DYKDDDK	—	FLAG tag	—	=
EEF1A2	EEF1A2	Eukaryotic translation elongation factor 1 alpha 2	eEF1A2, Eef1a, S1, MGC:18758, MGC:27859, MGC:7551, MGC:8115, MGC:8209	Eef1a1, EEF1A2	Q05639
Euonymus europaeus Lectin (EEL/EEA) Cy5	Euonymus europaeus Lectin (EEL/EEA) Cy5	Euonymus europaeus lectin (Cy5-labeled)	EEL, EEA	—	=
EVG	EVG		Verhoeff Van Gieson (EVG Stain)		
Fibrin (Picro-mallory)	Fibrin (Picro-mallory)				
FLAG	FLAG	FLAG tag (DYKDDDDK peptide)	FLAG tag	—	=
Folate Receptor Alpha	Folate Receptor Alpha	Folate receptor alpha	FR-alpha, FOLR1, FBP1, folate-binding protein 1, folate receptor [a], Folbp-1, Folbp1	Folr1	P15328
Foxp3	FOXP3	Forkhead box P3	Scurfin, JM2, Foxp3	FOXP3	Q987S1
Frataxin	Frataxin	FXN, C20orf54, Frda	FXN, C20orf54, Frda	FXN	Q16595
GAP43	GAP43	Growth-associated protein 43	B-50, PP46, B-50, Basp2, GAP-43, neuromodulin	GAP43	P17677
GFAP	GFAP	Glial fibrillary acidic protein	—	GFAP	P14136
GFP	GFP	Green fluorescent protein	—	GFP	P42212
Glutamine Synthetase	Glutamine Synthetase	Glutamine synthetase	GS, GLUL	GLUL	P15104
Green Cone Opsin	Green Cone Opsin	Opsin proteins in cone cells	OPN1SW (Green), cp, green long wavelength sensitive cone opsin, green LWS cone opsin, Green opsin, G/R opsin, Midwavelength sensitive opsin, ML-opsin, M opsin, MWS opsin, Opn1lw, R/G opsin, Rsvp	OPN1MW	P04000
HA-Tag	HA-Tag	Hemagglutinin tag (YPYDVPDYA peptide)	HA tag	—	=
hAflibercept ISH	hAflibercept ISH				
HGSNAT	HGSNAT	Heparan-alpha-glucosaminide N-acetyltransferase	Transmembrane protein 76	HGSNAT	Q68CP4
HLA-G	HLA-G	Major histocompatibility complex, class I, G	HLA class I antigen G	HLA-G	P17693
hPro Collagen (COL1A1)	hPro Collagen (COL1A1)	Human pro-collagen (precursor form)	Col1a-1, Cola-1, Cola1, Mov-13	COL1A1	P02452
hPro Collagen (COL2A1)	hPro Collagen (COL2A1)	Human pro-collagen (precursor form)	—	COL2A1	P02456
IBA1	IBA1	Ionized calcium-binding adapter molecule 1	AIF1, Allograft inflammatory factor 1	AIF1	P55008
Integrin α5β1	Integrin α5β1	Integrin alpha-5 beta-1	—	ITGA5	P08648
Integrin α5β2	Integrin α5β2	Integrin alpha-5 beta-2	—	ITGA5 / ITGB2	P08648 / P05108
Integrin αVβ5	Integrin αVβ5	Integrin alpha-V beta-5	—	ITGAV / ITGB5	P06756 / P21591
Integrin αVβ6	Integrin αVβ6	Integrin alpha-V beta-6	—	ITGAV / ITGB6	P06756 / P21592
Keratin 10	Keratin 10				
Ki67	Ki67	Antigen identified by monoclonal antibody Ki-67	D630048A14Rik, Ki-67, Ki67	MKI67	P46013
KLF4	KLF4	Kruppel-like factor 4	EZF, Gkif, Zie	KLF4	Q43474
LILRB2	LILRB2	Leukocyte immunoglobulin-like receptor subfamily B member 2	ILT4, LIR2, CD85D, ILT-4, LIR-2, 7M1, Pira3	LILRB2	Q8N423
LRP1	LRP1	Low-density lipoprotein receptor-related protein 1	A2mr, b2b1554Cto, CD91, LRP, LRP-1	LRP1	Q07954
Mast Cell Tryptase	Mast Cell Tryptase	Tryptase alpha/beta-1	Tryptase α, Tryptase alpha-1	TPSAB1	Q15661
mCHERRY	mCherry	Monomeric red fluorescent protein	—	—	=
mClover	mClover				
MHC Class II	MHC Class II	Major histocompatibility complex, class II	—	HLA-DP / HLA-DQ / HLA-DR	P13747 / P01903 / P01908
mKLF4	mKLF4	Mouse Kruppel-like factor 4	—	Klf4	Q60793
mScarlet	mScarlet				
MYBPC2	MYBPC2	Myosin binding protein C2	MYBPC, MYBPCF, Fast-type C-protein, MGC:28149	MYBPC2	Q14324
Myelin Basic Protein	Myelin Basic Protein	Myelin basic protein	MBP, MBP1, golli-mbp, Hmbpr, jve	MBP	P02686
Myosin light chain 3	Myosin light chain 3	Myosin light chain 3	MYL3, alkali, MLC1s, MLC1v, Mytc, slow skeletal, ventricular	MYL3	P08590
N-Cadherin	N-Cadherin	Cadherin-2	CDH2, Ncad, N-CAD, N-cadherin	CDH2	P18022

NeuN	NeuN	Neuronal nuclei	D11Bwg0517e, Hmbp3, NeuN, Neuna60	RBFOX3	A6NFN3
Neurofilament Heavy Polypeptide	Neurofilament Heavy	Neurofilament heavy polypeptide	mKIAA0845, NEFH, NF200, NF-H	NEFH	P12036
NF-L	NFL	Neurofilament light polypeptide	CMT2E, NF68, NFL, NF-L	NEFL	P07197
Oct4	Oct4	POU class 5 homeobox 1	Oct-3, Oct-3/4, Oct3/4, Oct-4, Oct4, Otf-3, Otf3, Otf3g, Otf3-rs7, Otf-4, Otf4	POU5F1	P36222
Olig2	Olig2	Oligodendrocyte transcription factor 2	Bhlhb1, bHLHe19, Olig-2, RK17	OLIG2	Q9V6E1
p16INK4a	p16INK4a	Cyclin-dependent kinase inhibitor 2A	CDKN2A, Arf, ARF-INK4a, Ink4a/Arf, INK4a-ARF, MTS1, p16, p16INK4a, p19ARF, p19ARF, Pctr1	CDKN2A	P42771
P2Y12	P2Y12	P2Y purinoceptor 12	ADP-glucose receptor (ADPG-R), P2T(AC), P2Y(AC), P2Y(cyc), P2Y12 platelet ADP receptor (P2Y(ADP)), SP1999	P2RY12	Q9H244
	p63	tumor protein p63	TP63 tumor protein p63, AIS; KET; LMS; NBP; RHS; p40; p51; p63; EEC3; OFC8; p73H; p73L; SHFM4; TP53L; TP73L; p53CP; TP53CP; B(p51A); B(p51B), TRP63, deltaNp63, KET protein, p51/p63, p63, p73L, TAp63, Trp53rp1, transformation related protein 63	TP63	Q9H3D4
p63	PAS	Periodic Acid Schiff Reaction			
PAS	PDGFRa				
PDGFRa	Phospho-Tau	Microtubule-associated protein tau (phosphorylated at Ser396)	—	MAPT	P10636
Phospho-Tau	Phosphohistone H3				
Phosphohistone H3	PKC Alpha	Protein kinase C alpha	PRKCA, PKC-α	PRKCA	P17252
PKC Alpha	PKP2				
PKP2	PLVAP	Plasmalemma vesicle-associated protein	MECA32, PV-1	PLVAP	Q9BX97
PLVAP	Pro Collagen 1	Procollagen type I alpha 1 chain	—	COL1A1	P02452
Pro Collagen 1	R/G Cone Opsin				
R/G Cone Opsin	RBPMs	RNA binding protein with multiple splicing	2010300K22Rik, 2700019M19Rik, hermes	RBPMs	Q93062
RBPMs	Red Cone Opsin	Opsin proteins in cone cells	OPN1MW (Red)	Opn1mwtm1(OPN1LW)Nat	P04001
Red Cone Opsin	RFP (transgene insertion 1, Andrey Mikhailov)	Red fluorescent protein	—	<i>EGFP-m-201714 Mch1</i>	Q9UGY8 (no human option)
RFP (transgene insertion 1, Andrey Mikhailov)	Rhodopsin	Rhodopsin (visual pigment)	OPSD	RHO	P08100
Rhodopsin	RPE65	Retinoid isomerohydrolase	RPE65	RPE65	Q16518
RPE65	S100A9	Protein S100-A9	Calgranulin-B, Calprotectin L1H subunit, Leukocyte L1 complex heavy chain, Migration inhibitory factor-related protein 14 MRP-14, S100 calcium binding protein A9	S100A9	P06702
S100A9	S100b	S100 calcium-binding protein B	—	S100B	P04271
S100B	SOX2	SRY-box transcription factor 2	—	SOX2	P48431
SOX2	STEM121	Stem121 antibody marker	—	—	=
STEM121	STEM123	Stem123 antibody marker	—	—	=
STEM123	Synapsin 1	Synapsin I	SYN1	SYN1	P17600
Synapsin 1	Synaptophysin	Synaptophysin	SYP	SYP	P08247
Synaptophysin	Synaptopodin	Synaptopodin	9030217H17Rik, 9330140I15Rik	SYNPO	Q8CC35
Synaptopodin	TdTomato	Tandem dimer Tomato (fluorescent protein)	—	tdTomato	=
TdTomato	Tet Repressor	Tetracycline repressor protein	TetR, pSC101 tetR, tetracycline resistance repressor	tetR (in bacteria)	P04483
Tet Repressor	TGFR2	Transforming growth factor-beta receptor type II	TGFR2-II, TGFR-2, TGF-β receptor II, AAT3, FAA3, LDS1B, LDS2B, MFS2, RIIC, TAAD2, TGFRB2	TGFR2	P37173
TGFR2	TMEM119	Transmembrane protein 119	QBIF	TMEM119	Q4V916
TMEM119	Tyrosine Hydroxylase	Tyrosine 3-monooxygenase (aka Tyrosine hydroxylase)	TH, Tyrosine 3-monooxygenase	TH	P07101
Tyrosine Hydroxylase	UEA I, Rhodamine	Ulex europaeus agglutinin I (lectin) conjugated to rhodamine	UEA-I, Ulex lectin I, Rh-UEA I	(not a gene)	=
UEA I, Rhodamine	VCAM1				
VCAM1	VE-cadherin	Vascular endothelial cadherin	Cadherin-5, CD144, VE cadherin, vascular endothelial (VE) cadherin, 7B4/cadherin-5, CD144, VEC, VECad, VE-Cad, VE-cadherin, VECD	CDH5	P33151
VE-cadherin	VEGFA	Vascular endothelial growth factor A	VEGF, VPF, VEGF-A, Vegf, VEGF120, VEGF164, VEGF188	VEGFA	P15692
VEGFA	Vim	Vimentin (type III intermediate filament)	VIM, Vimentin IF protein	VIM	P08670
Vimentin	VIP	Vasoactive intestinal peptide	VIP, Vasoactive intestinal polypeptide, PHI, peptide histidine isoleucine	VIP	P01282
VIP	WT1	Wilms' Tumor 1	WT33, Wilms tumor protein, D630046I19Rik, Wilms tumor 1 homolog, Wt-1, WT1 transcription factor	WT1	P19544
WT1	ZO-1	Tight junction protein 1	Tight junction protein ZO-1, Zona occludens protein 1, Zonula occludens protein 1	TJP1 or ZO1	Q07157
ZO-1					