

Rabbit CD34 Polyclonal Antibody | anti-CD34 antibody

CD34 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321827	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

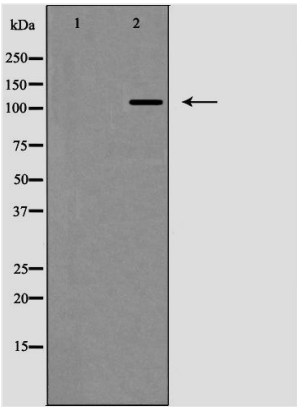
PRODUCT SYNONYMS

CD34; Polyclonal Antibody; CD34 Antibody; CD34 antigen; CD34 molecule; CD34_HUMAN; Cluster designation 34; Hematopoietic progenitor cell antigen CD34; HPCA1; Mucosialin; OTTHUMP00000034733; OTTHUMP00000034734; anti-CD34 antibody

PRODUCT SPECIFICATIONS

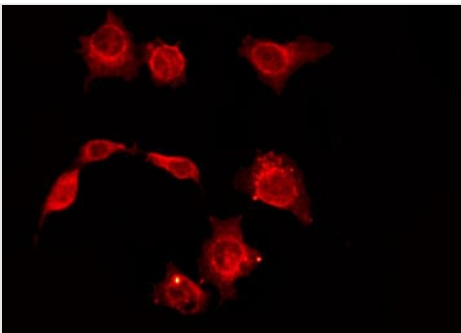
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CD34 antibody detects endogenous levels of total CD34
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	385
Applicable Applications for anti-CD34 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CD34
Subcellular Location	Membrane.
Tissue Specificity	Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues.
Predicted Cross Reactivity	Rabbit, Dog
Similarity	Rabbit (82%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of CD34 expression in HepG2 cells, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321827 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD34 antibody	Description: Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins. Post-translational Modifications: Highly glycosylated. Phosphorylated on serine residues by PKC. Similarity: Belongs to the CD34 family.
References	Bai Y, Wang J, Han J, Xie XL, Ji CG, Yin J, Chen L, Wang CK, Jiang XY, Qi W, Jiang HQ; Journal: Mol Carcinog. BCL2L10 inhibits growth and metastasis of hepatocellular carcinoma both in vitro and in vivo. Ai XY, Zhang H, Gao SY, Qin Y, Zhong WL, Gu J, Li M, Qiao KL, Tian Q, Cui ZH, Yang JH, Bi Z, Xiao T, Chen S, Liu HJ, Zhou HG, Sun T, Yang C; Journal: Oncotarget. Sesquiterpene binding Gly-Leu-Ser/Lys-"co-adaptation pocket" to inhibit lung cancer cell epithelial-mesenchymal transition.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68342038
NCBI GeneID	947
NCBI Accession #	NP_001020280.1
NCBI GenBank Nucleotide #	NM_001025109.1
UniProt Accession #	P28906; Q15970; Q15971; Q5JTA3; Q5JTA4; Q9UJB1; A8K664
Molecular Weight	Observed: 120 kDa Predicted: 41 kDa
NCBI Official Full Name	hematopoietic progenitor cell antigen CD34 isoform a
NCBI Official Synonym Full Names	CD34 molecule
NCBI Official Symbol	CD34
NCBI Protein Information	hematopoietic progenitor cell antigen CD34
UniProt Protein Name	Hematopoietic progenitor cell antigen CD34
UniProt Gene Name	CD34

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

