

CD34 Rabbit mAb

Catalog No: #48740

Package Size: #48740-1 50ul #48740-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	CD34 Rabbit mAb
Clone No.	SR4518
Purification	ProA affinity purified
Applications	WB;IF/ICC;IHC;IP;FC
Species Reactivity	Hu, Ms, Rt, Dog
Immunogen Description	recombinant protein
Other Names	CD34 antibody CD34 antigen antibody CD34 molecule antibody CD34_HUMAN antibody Cluster designation 34 antibody Hematopoietic progenitor cell antigen CD34 antibody HPCA1 antibody Mucosialin antibody OTTHUMP00000034733 antibody OTTHUMP00000034734 antibody
Accession No.	Swiss-Prot#:P28906
Uniprot	P28906
GeneID	947;
Calculated MW	120 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB 1:2,000;

IF-Cell 1:100;

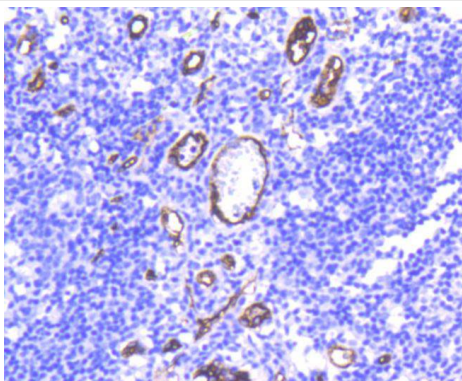
IF-Tissue 1:500-1:1,000;

IHC-P 1:400-1:10,000;

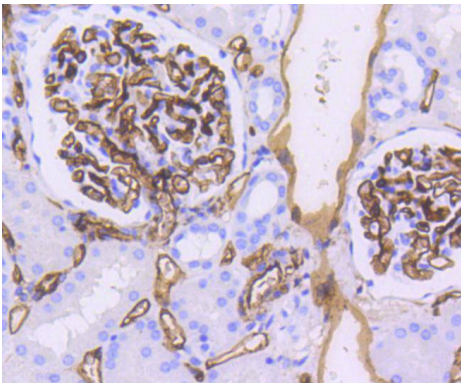
IP 1-2ug/sample;

FC 1:1,000

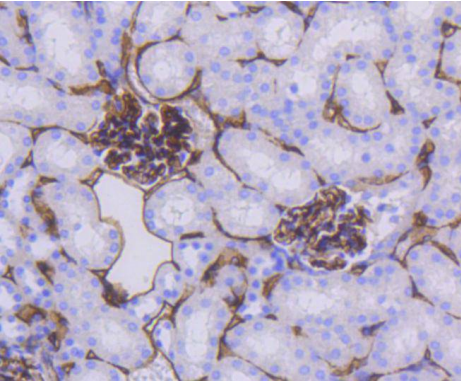
Images



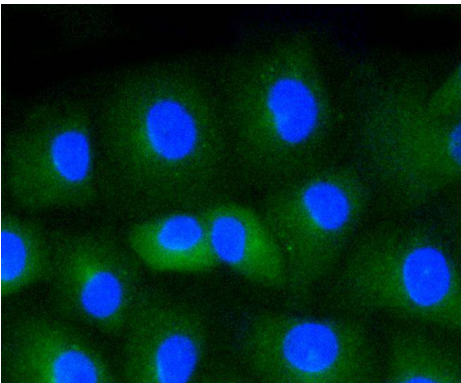
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD34 antibody. Counter stained with hematoxylin.



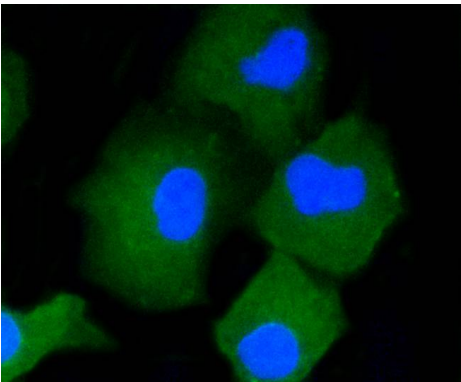
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-CD34 antibody. Counter stained with hematoxylin.



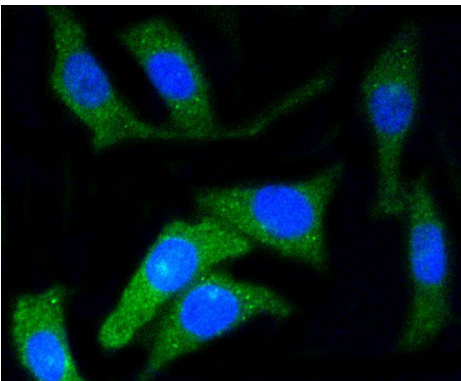
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-CD34 antibody. Counter stained with hematoxylin.



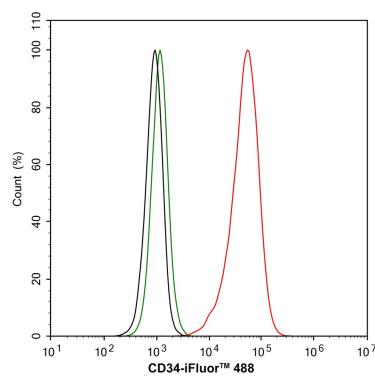
ICC staining CD34 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD34 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD34 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of TF-1 cells labeling CD34. Cells were fixed and permeabilized. Then stained with the primary antibody (1/1,000) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

Background

CD34 is a heavily glycosylated, transmembrane glycoprotein that is expressed on the surface of lymphohematopoietic stem and progenitor cells, small-vessel endothelial cells, embryonic fibroblasts and some cells in fetal and adult nervous tissue. CD34 antigen expression is highest in the most primitive stem cells and is gradually lost as lineage committed progenitors differentiate. The CD34 antigen is also present on capillary endothelial cells and on bone marrow stromal cells. The CD34 cytoplasmic domain has an intracellular domain that contains consensus sites for activated protein kinase C (PKC) phosphorylation as well as serine, threonine and tyrosine phosphorylation consensus sites.

Note: This product is for in vitro research use only