CD34 Rabbit mAb

Catalog No: #48740

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

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

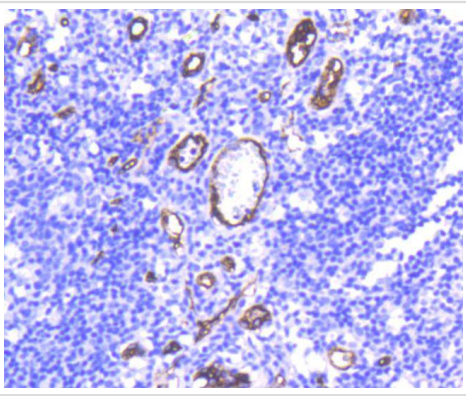
Description

Product Name	CD34 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SI16-01
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt, Dog
Immunogen Description	recombinant protein
Conjugates	Unconjugated
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
Calculated MW	120 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

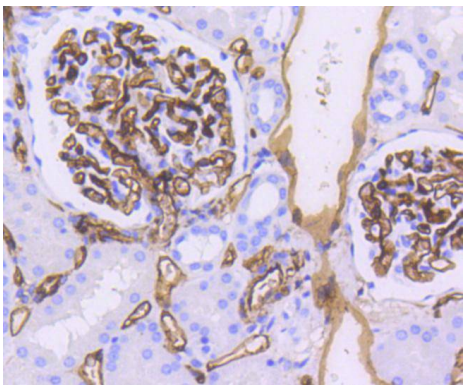
Application Details

WB: 1:1,000-1:2,000 IHC: 1:1,000-1:2,000ICC: 1:50-1:200FC: 1:1,000

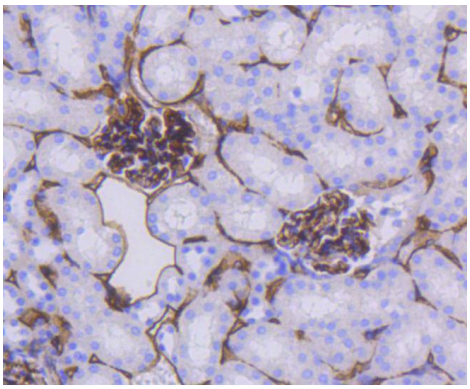
Images



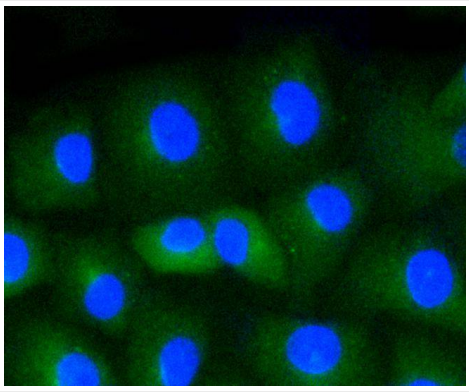
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD34 antibody. Counter stained with hematoxylin.



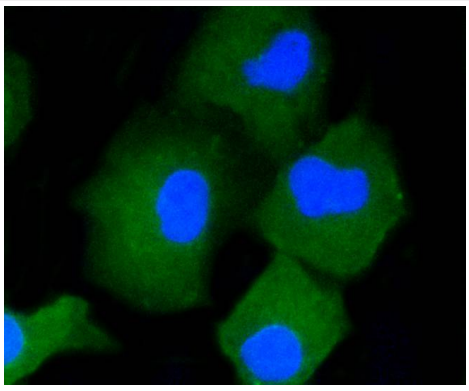
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-CD34 antibody. Counter stained with hematoxylin.



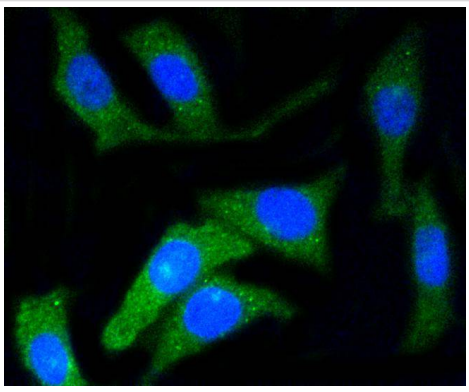
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-CD34 antibody. Counter stained with hematoxylin.



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.

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.

References

1. Lin, SZ. et al. 2015. Emodin inhibits angiogenesis in pancreatic cancer by regulating the transforming growth factor-β/drosophila mothers against decapentaplegic pathway and angiogenesis-associated microRNAs. Molecular medicine reports. 12: 5865-71. 2. Corradi, LS. et al. 2013. Structural and ultrastructural evidence for telocytes in prostate stroma. J. Cell. Mol. Med. 17: 398-406.

Published Papers

el at., Identification of Postn+ periosteal progenitor cells with bone regenerative potential. In JCI Insight on 2024 Oct 8 by Bei Yin, Fangyuan Shen, et al..PMID:39377227, , (2024)

PMID:39377227

Note: This product is for in vitro research use only and is not intended for use in humans or animals.