Product Datasheet

CD34 Antibody (HPCA1/763)
NBP2-44568-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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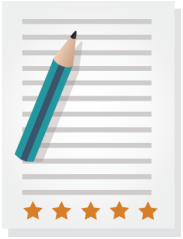


NBP2-44568-0.1mg

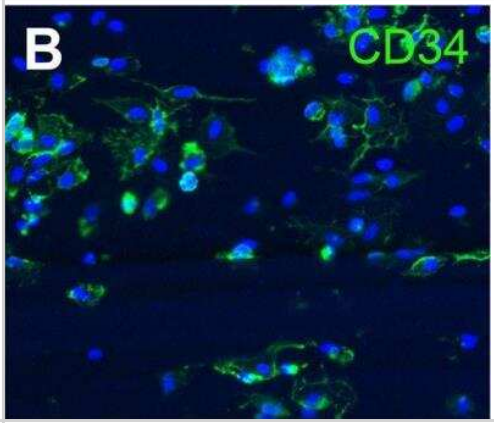
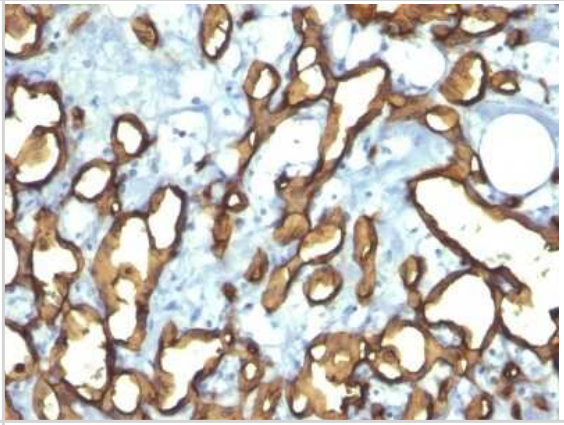
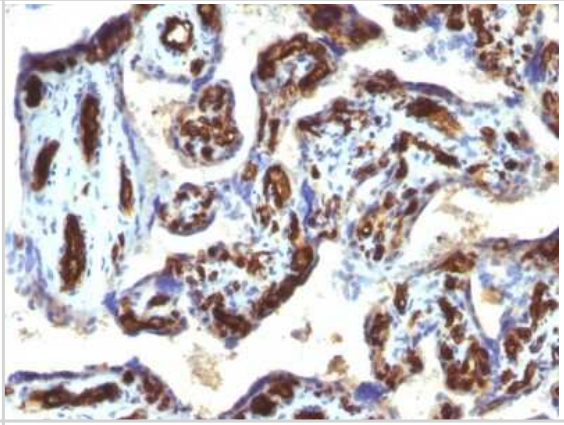
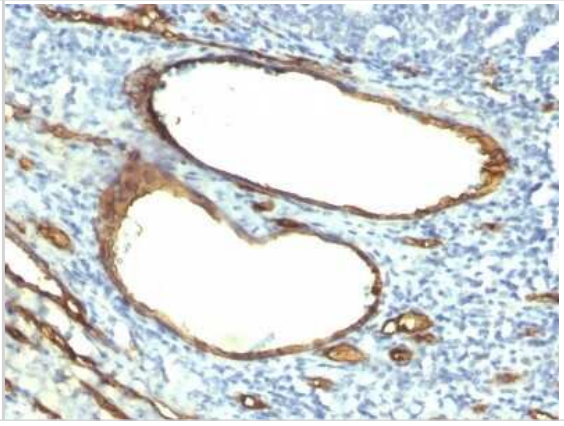
CD34 Antibody (HPCA1/763)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	HPCA1/763
Preservative	0.05% Sodium Azide
Isotype	IgG1 Lambda
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

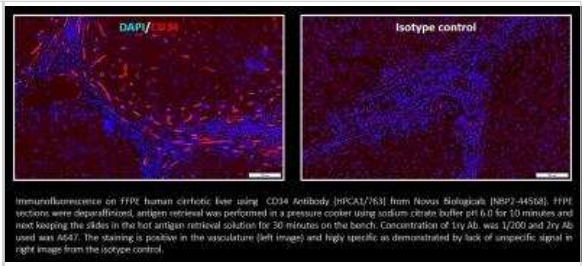
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0 mg/ml. (NBP2-47910) Antibody with azide - store at 2 to 8C.
Host	Mouse
Gene ID	947
Gene Symbol	CD34
Species	Human
Marker	Hematopoietic Stem Cell & Endothelial Marker
Specificity/Sensitivity	This monoclonal antibody recognizes a single chain, transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34. Its expression is a hallmark for identifying pluripotent hematopoietic stem or progenitor cells. Its expression is gradually lost as lineage committed progenitors differentiate. CD34 is a marker of choice for staining blasts in acute myeloid leukemia. In addition, CD34 is expressed by soft tissue tumors, such as solitary fibrous tumor and gastrointestinal stromal tumor. Its expression is also found in vascular endothelium. Additionally, it appears that proliferating endothelial cells express this molecule more than the non-proliferating endothelial cells. Anti-CD34 labels 85% of angiosarcoma and Kaposis sarcoma, but with a lower specificity.
Immunogen	Recombinant full-length human CD34 protein (Uniprot: P28906)

Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 0.25-0.5 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 0.25-0.5ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

Immunohistochemistry: CD34 Antibody (HPCA1/763) [NBP2-44568] - Characterization of human SVF cells on aligned nanofibrillar collagen scaffolds. Confocal image shows CD34 protein expression among adherent SVF cells on aligned nanofibrillar scaffolds after 1 day of attachment. Scale bars: 50 um. Image collected and cropped by CiteAb from the following publication (//pubmed.ncbi.nlm.nih.gov/32766213/) licensed under a CC-BY license.	
Immunohistochemistry-Paraffin: CD34 Antibody (HPCA1/763) [NBP2-44568] - Human Angiosarcoma stained with CD34 Monoclonal Antibody (HPCA1/763)	
Immunohistochemistry-Paraffin: CD34 Antibody (HPCA1/763) [NBP2-44568] - Human Placenta stained with CD34 Monoclonal Antibody (HPCA1/763)	
Immunohistochemistry-Paraffin: CD34 Antibody (HPCA1/763) [NBP2-44568] - Human Tonsil stained with CD34 Monoclonal Antibody (HPCA1/763)	

Immunofluorescence: CD34 Antibody (HPCA1/763) [NBP2-44568] - This image was submitted via customer review.



Publications

Hu, C, Zaitseva, T S Et al. Delivery of Human Stromal Vascular Fraction Cells on Nanofibrillar Scaffolds for Treatment of Peripheral Arterial Disease. Front Bioeng Biotechnol 2020-08-09 [PMID: 32766213] (ICC/IF, Human)

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96982	Mouse IgG1 Lambda Isotype Control (MG1L)
NBP2-22751	Recombinant Human CD34 His Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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