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CD34 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10666c

Product Information

Application	WB, FC, E
Primary Accession	P28906
Other Accession	NP_001020280
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19765
Calculated MW	40716
Antigen Region	185-212

Additional Information

Gene ID	947
Other Names	Hematopoietic progenitor cell antigen CD34, CD34, CD34
Target/Specificity	This CD34 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 185-212 amino acids from the Central region of human CD34.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CD34 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CD34
Function	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.
Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues

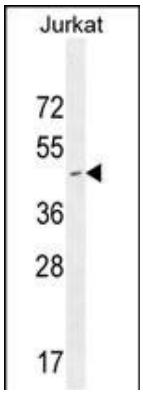
Background

CD34 is a monomeric cell surface antigen with a molecular mass of approximately 110 kD that is selectively expressed on human hematopoietic progenitor cells.

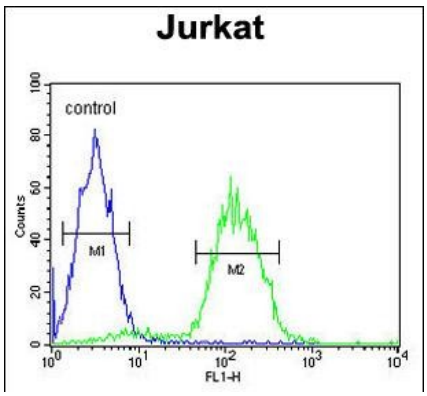
References

Eijgelsheim, M., et al. Hum. Mol. Genet. 19(19):3885-3894(2010)
McCalmont, T.H., et al. J. Cutan. Pathol. 37 (9), 923 (2010) :
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Cho, S.Y., et al. Cancer Res. 70(8):3402-3410(2010)
Gluhovschi, C., et al. Folia Histochem. Cytobiol. 48(2):230-236(2010)

Images



CD34 Antibody (Center) (Cat. #AP10666c) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the CD34 antibody detected the CD34 protein (arrow).



CD34 Antibody (Center) (Cat. #AP10666c) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.