

**CD34 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10666c****Specification**

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**CD34 Antibody (Center) - Product Information**

|                   |                              |
|-------------------|------------------------------|
| Application       | WB, FC,E                     |
| Primary Accession | <a href="#">P28906</a>       |
| Other Accession   | <a href="#">NP_001020280</a> |
| Reactivity        | Human                        |
| Host              | Rabbit                       |
| Clonality         | Polyclonal                   |
| Isotype           | Rabbit IgG                   |
| Calculated MW     | 40716                        |
| Antigen Region    | 185-212                      |

**CD34 Antibody (Center) - 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

**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.

**CD34 Antibody (Center) - 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.

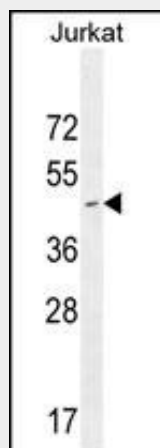
**Tissue Location**

Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues

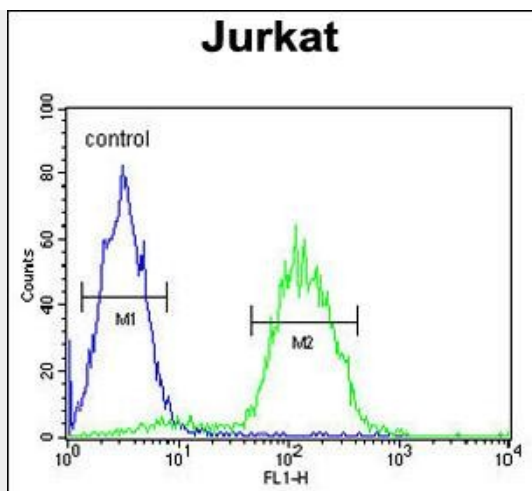
**CD34 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CD34 Antibody (Center) - 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.

#### **CD34 Antibody (Center) - 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.

#### **CD34 Antibody (Center) - 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)