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CD34 Antibody (Center)
Rabbit Polyclonal Antibody
Catalog # ABV11334

Specification

CD34 Antibody (Center) - Product Information

Application	**WB**
Primary Accession	P28906
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**40716**

CD34 Antibody (Center) - Additional Information

Gene ID 947

Positive Control	**Western blot: Jurkat cell lysate, FACS: Jurkat cell lysate.**
Application & Usage	**WB: 1:1000, FC: 1:10 – 1:50.**

Other Names
CD34; Hematopoietic progenitor cell antigen CD34

Target/Specificity
CD34

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
In PBS with 0.09% (W/V) sodium azide.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

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.

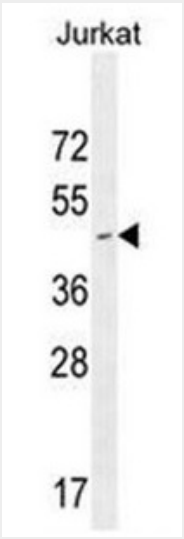
Tissue Location
Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues

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 Cytomety
- Cell Culture

CD34 Antibody (Center) - Images



CD34 Antibody (Center) western blot analysis in Jurkat cell line lysates (35 µg/lane).

CD34 Antibody (Center) - Background

CD34 is a heavily glycosylated, 105-120 kDa transmembrane glycoprotein expressed on

hematopoietic progenitor cells, vascular endothelial cells and some fibroblasts. The CD34 cytoplasmic domain is a target for phosphorylation by activated protein kinase C, suggesting a role for CD34 in signal transduction. CD34 may also play a role in adhesion of certain antigens to endothelium.