

CD34 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21126a

Specification

CD34 Antibody (C-term) - Product Information

Application	FC, WB,E
Primary Accession	P28906
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	40716

CD34 Antibody (C-term) - Additional Information

Gene ID 947

Other Names

Hematopoietic progenitor cell antigen CD34, CD34, CD34

Target/Specificity

This CD34 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 356-390 amino acids from the C-terminal region of human CD34.

Dilution

FC~~1:25

WB~~1:1000

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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CD34 Antibody (C-term) - 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.

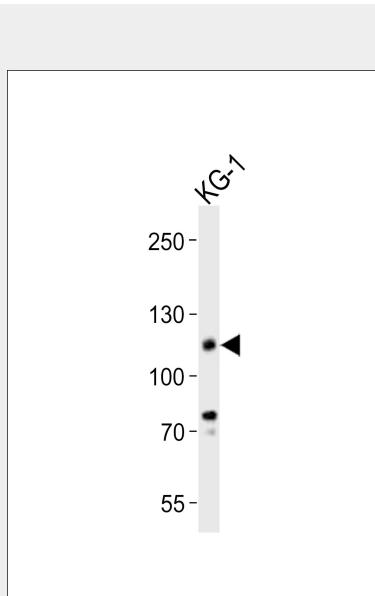
Tissue Location

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

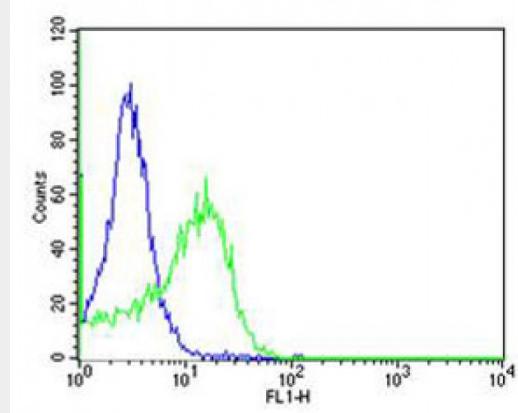
CD34 Antibody (C-term) - Protocols

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 (C-term) - Images

Western blot analysis of lysate from KG-1 cell line, using CD34 Antibody (C-term)(Cat. #AP21126a). AP21126a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



Flow cytometric analysis of HT-29 cells using CD34 Antibody (C-term)(green, Cat#) compared to an isotype control of rabbit IgG(blue). was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

CD34 Antibody (C-term) - Background

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.

CD34 Antibody (C-term) - References

- Simmons D.L.,et al.J. Immunol. 148:267-271(1992).
- Satterthwaite A.B.,et al.Genomics 12:788-794(1992).
- Nakamura Y.,et al.Exp. Hematol. 21:236-242(1993).
- Freund D.,et al.Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
- Ota T.,et al.Nat. Genet. 36:40-45(2004).