

CD34 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20932c

Specification

CD34 Antibody (C-term) - Product Information

| | |
|-------------------|------------------------|
| Application | IF, WB,E |
| Primary Accession | P28906 |
| Other Accession | Q64314 |
| Reactivity | Human |
| Predicted | Mouse |
| 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 320-354 amino acids from the C-terminal region of human CD34.

Dilution

IF~~1:25

WB~~1:1000

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

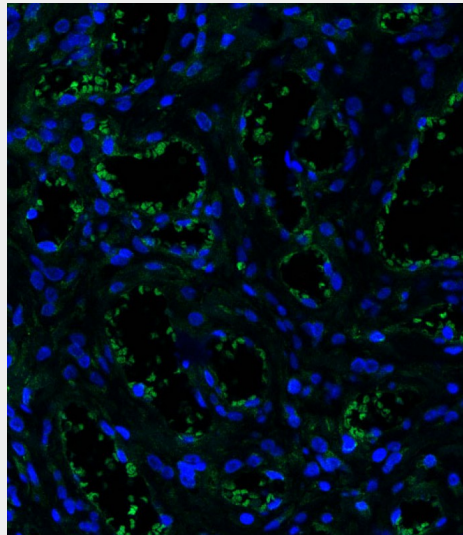
Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues

CD34 Antibody (C-term) - Protocols

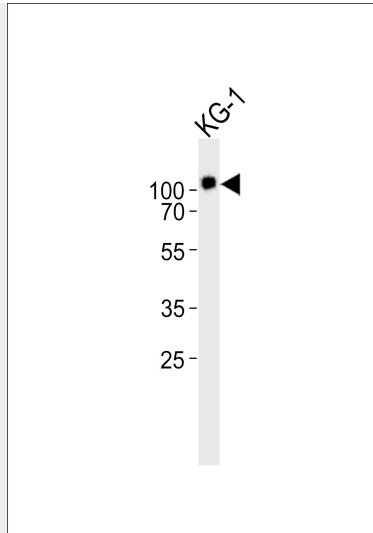
Provided below are standard protocols that you may find useful for product applications.

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

CD34 Antibody (C-term) - Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized human haemangioma tissue labeling CD34 with AP20932c at 1/25 dilution, followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (1583138) secondary antibody at 1/400 dilution (green). Confocal image showing membrane staining on human haemangioma tissue. The nuclear counter stain is DAPI (blue).



Western blot analysis of lysate from KG-1 cell line, using CD34 Antibody (C-term)(Cat. #AP20932c). AP20932c 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.

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).