

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

**Specification**

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**CD34 Antibody (C-term) - Product Information**

Application	IF, WB,E
Primary Accession	<a href="#">P28906</a>
Other Accession	<a href="#">Q64314</a>
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**

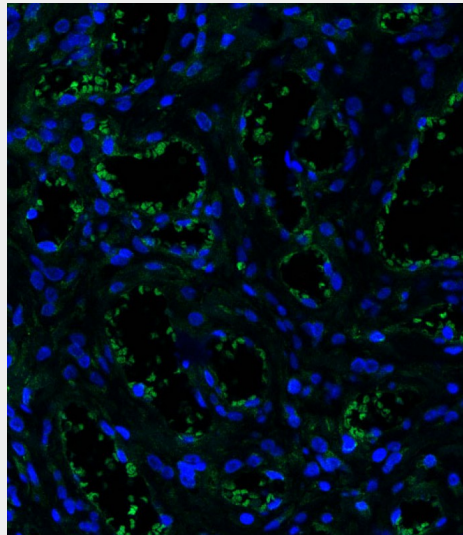
Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues

### **CD34 Antibody (C-term) - Protocols**

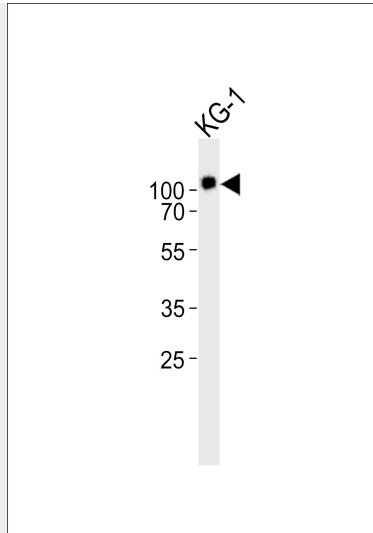
Provided below are standard protocols that you may find useful for product applications.

- [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).