

**CD34 Antibody (clone EP88)**  
**Rabbit Monoclonal Antibody**  
**Catalog # ALS16393****Specification**

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**CD34 Antibody (clone EP88) - Product Information**

Application	IHC
Primary Accession	<a href="#">P28906</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	41kDa KDa

**CD34 Antibody (clone EP88) - Additional Information****Gene ID** 947**Other Names**

Hematopoietic progenitor cell antigen CD34, CD34, CD34

**Reconstitution & Storage**

Store at 2-8°C

**Precautions**

CD34 Antibody (clone EP88) is for research use only and not for use in diagnostic or therapeutic procedures.

**CD34 Antibody (clone EP88) - 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**

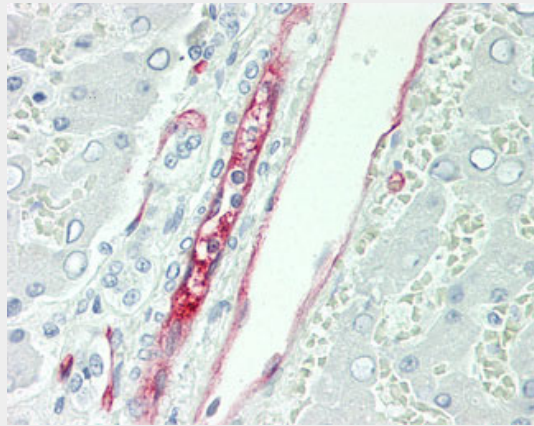
Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues

**CD34 Antibody (clone EP88) - Protocols**

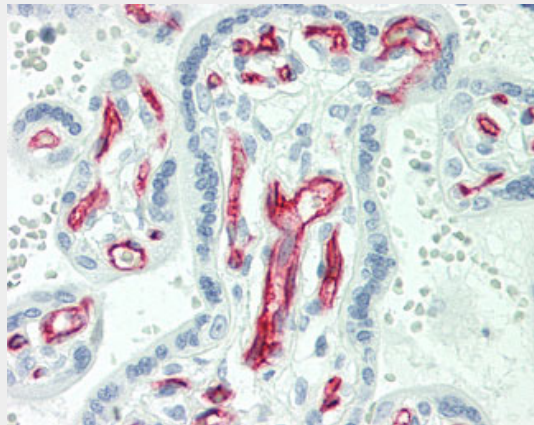
Provided below are standard protocols that you may find useful for product applications.

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

#### **CD34 Antibody (clone EP88) - Images**



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)

#### **CD34 Antibody (clone EP88) - 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 (clone EP88) - 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).