

# Anti-CD34 Antibody

## ER1706-66



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse
<b>Applications:</b>	WB, IHC-P
<b>Molecular Wt:</b>	Predicted band size: 41 kDa

**Description:** The CD34 protein is a member of a family of single-pass transmembrane sialomucin proteins that show expression on early hematopoietic and vascular-associated tissue. However, little is known about its exact function. CD34 is also an important adhesion molecule and is required for T cells to enter lymph nodes. It is expressed on lymph node endothelia, whereas the L-selectin to which it binds is on the T cell. Conversely, under other circumstances CD34 has been shown to act as molecular "Teflon" and block mast cell, eosinophil and dendritic cell precursor adhesion, and to facilitate opening of vascular lumina. CD34 may also play a more selective role in chemokine-dependent migration of eosinophils and dendritic cell precursors. Regardless of its mode of action, under all circumstances CD34, and its relatives podocalyxin and endoglycan, facilitates cell migration.

**Immunogen:** Recombinant protein within human CD34 aa 10-310/385.

**Positive control:** TF-1, human brain tissue lysate, human liver cancer tissue.

**Subcellular location:** Membrane.

**Database links:** SwissProt: P28906 Human | Q64314 Mouse

**Recommended Dilutions:**

<b>WB</b>	1:500-2,000
<b>IHC-P</b>	1:100-1:500

**Storage Buffer:** 1\*PBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Purity:** Immunogen affinity purified.

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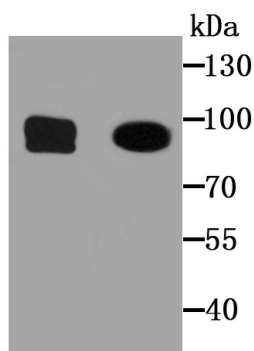
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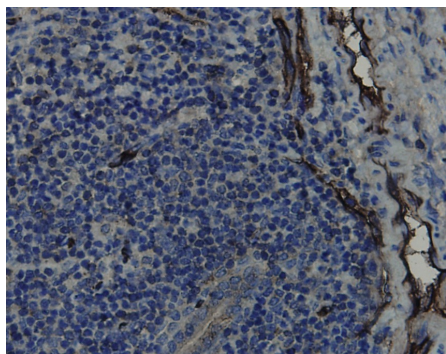
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## Images



**Fig1:** Western blot analysis of CD34 on TF-1 cell (1) and human brain tissue (2) lysates using anti-CD34 antibody at 1/1,000 dilution.



**Fig2:** Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-CD34 antibody. Counter stained with hematoxylin.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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