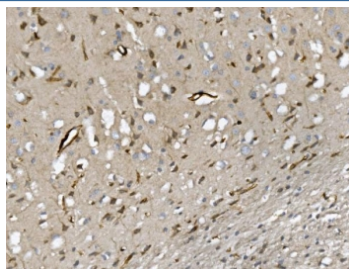


Cd34 Antibody (RQ6372)

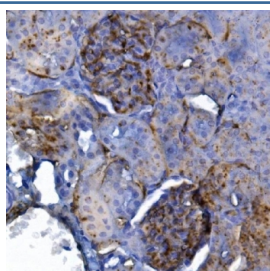
Catalog No.	Formulation	Size
RQ6372	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

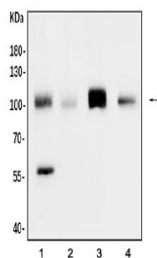
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	B1PLB1
Localization	Cell surface
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Cd34 antibody is available for research use only.



IHC staining of FFPE rat brain with Cd34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat kidney with Cd34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat heart, 2) rat skeletal muscle, 3) rat lung and 4) mouse lung tissue lysate with Cd34 antibody. Observed molecular weight: 41~110 kDa depending on level of glycosylation.

Description

CD34 is a monomeric cell surface antigen with a molecular mass of approximately 110 KD. CD34 is expressed in humans in hematopoietic stem cells, vascular endothelium, and blasts from 30% of patients with acute myeloid and lymphocytic leukemia. The human CD34 gene spans 26 kb and has 8 exons, a structure quite similar to that of the murine gene. By Southern blot analysis of DNA from a panel of human x mouse somatic cell hybrids using a CD34 cDNA probe demonstrate that the gene for CD34 is located on human chromosome 1 in the 1q12---qter region. CD34 plays an important role in the formation of progenitor cells during both embryonic and adult hematopoiesis.

Application Notes

Optimal dilution of the Cd34 antibody should be determined by the researcher.

Immunogen

Recombinant rat protein (amino acids S170-L386) was used as the immunogen for the Cd34 antibody.

Storage

After reconstitution, the Cd34 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.