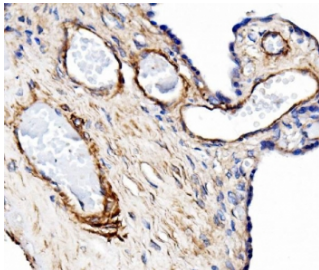


PECAM-1 Antibody / CD31 (RQ6066)

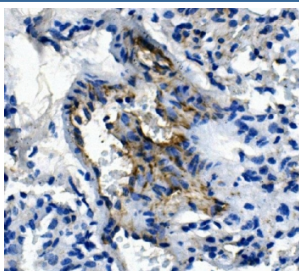
Catalog No.	Formulation	Size
RQ6066	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

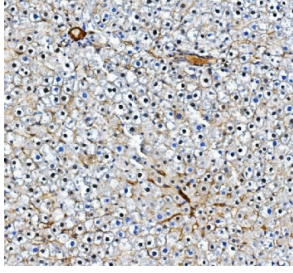
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q3SWT0
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This PECAM-1 antibody is available for research use only.



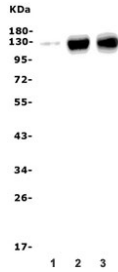
IHC staining of FFPE human placenta with PECAM-1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse lung with PECAM-1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat liver with PECAM-1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat liver, 2) rat lung and 3) mouse lung lysate with PECAM-1 antibody. Expected molecular weight: 83-130 kDa depending on level of glycosylation.

Description

CD31 also known as Platelet endothelial cell adhesion molecule (PECAM-1), is a protein that in human is encoded by the PECAM1 gene. Encoded protein is a member of the immunoglobulin superfamily and this gene is mapped to 17q23.3. CD31 is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. It is demonstrated that CD31 expression on human PBSCs may positively affect both neutrophil and platelet engraftment. Meanwhile, CD31 is involved in leukocyte migration and angiogenesis, which are key components of venous thrombus resolution.

Application Notes

Optimal dilution of the PECAM-1 antibody should be determined by the researcher.

Immunogen

Recombinant rat protein (amino acids Q41-E491) was used as the immunogen for the PECAM-1 antibody.

Storage

After reconstitution, the PECAM-1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.