

Rabbit CD31/Pecam1 Polyclonal Antibody | anti-Pecam1 antibody

Anti-CD31/Pecam1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125430	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

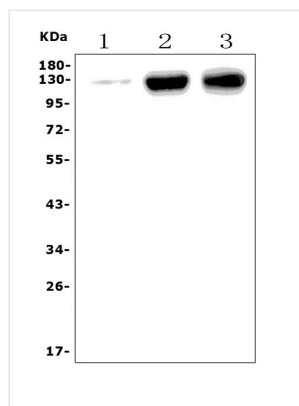
PRODUCT SYNONYMS

CD31/Pecam1; Polyclonal Antibody; Anti-CD31/Pecam1 Antibody; Platelet endothelial cell adhesion molecule; PECAM-1; CD31; Pecam1; Pecam; anti-Pecam1 antibody

PRODUCT SPECIFICATIONS

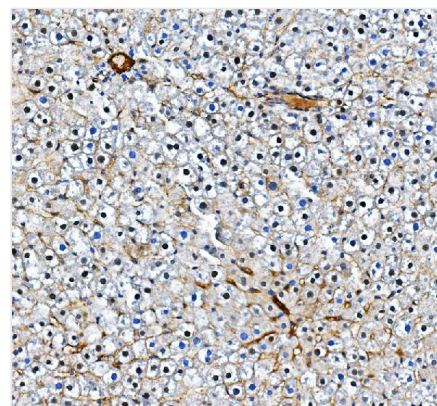
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	678
Applicable Applications for anti-Pecam1 antibody	ELISA (Direct ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived rat CD31/Pecam1 recombinant protein (Position: Q41-E491).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

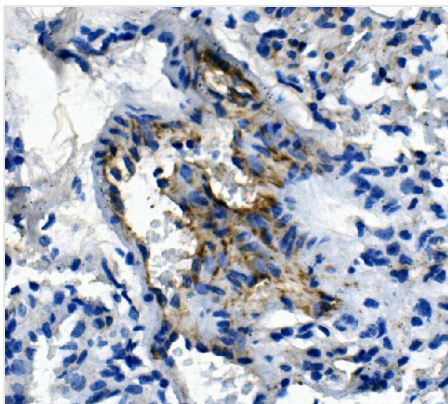


WB (Western Blot)

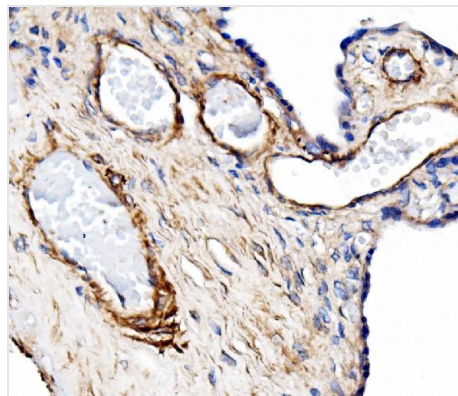
Figure 1. Western blot analysis of Pecam1 using anti-Pecam1 antibody.



IHC (Immunohistochemistry)



IHC (Immunohistochemistry)



IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

Related Product Information for anti-Pecam1 antibody	Description: Rabbit IgG polyclonal antibody for CD31/Pecam1 detection. Tested with WB, IHC-P, Direct ELISA in Human; Mouse; Rat. Background: 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.
References	- Gumina, R. J., Kirschbaum, N. E., Rao, P. N., vanTuinen, P., Newman, P. J. The human PECAM1 gene maps to 17q23. Genomics 34: 229-232, 1996. - Wu, Y., Tworkoski, K., Michaud, M., Madri, J. A. Bone marrow monocyte PECAM-1 deficiency elicits increased osteoclastogenesis resulting in trabecular bone loss. J. Immun. 182: 2672-2679, 2009. - Xie, Y., Muller, W. A. Fluorescence in situ hybridization mapping of the mouse platelet endothelial cell adhesion molecule-1 (PECAM1) to mouse chromosome 6, region F3-G1. Genomics 37: 226-228, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	84029389
NCBI GeneID	29583
UniProt Accession #	Q3SWT0
NCBI Official Full Name	Platelet endothelial cell adhesion molecule
NCBI Official Synonym Full Names	platelet and endothelial cell adhesion molecule 1
NCBI Official Symbol	Pecam1
NCBI Official Synonym Symbols	CD31; Pecam
NCBI Protein Information	platelet endothelial cell adhesion molecule
UniProt Protein Name	Platelet endothelial cell adhesion molecule
UniProt Gene Name	Pecam1
UniProt Synonym Gene Names	Pecam; PECAM-1
UniProt Entry Name	PECA1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

