

Rabbit anti-Human CD31 Monoclonal Antibody | anti-PECAM1 antibody

Recombinant Anti-CD31 Antibody, Rabbit Monoclonal

CATALOG # AAA254573	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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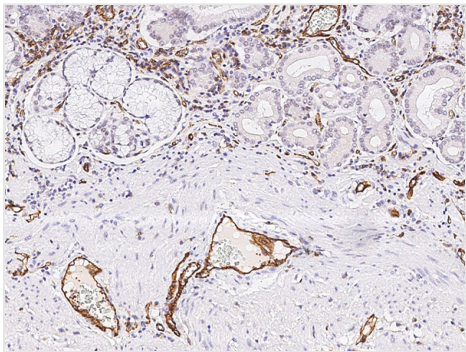
PRODUCT SYNONYMS

CD31; Monoclonal Antibody; Recombinant Anti-CD31 Antibody; Rabbit Monoclonal; CD31/PECAM-1 Antibody; Rabbit MAb; platelet/endothelial cell adhesion molecule 1; Anti-CD31 Antibody; Anti-CD31/EndoCAM Antibody; Anti-endoCAM Antibody; Anti-GPIIA' Antibody; Anti-PECA1 Antibody; Anti-PECAM-1 Antibody; anti-PECAM1 antibody

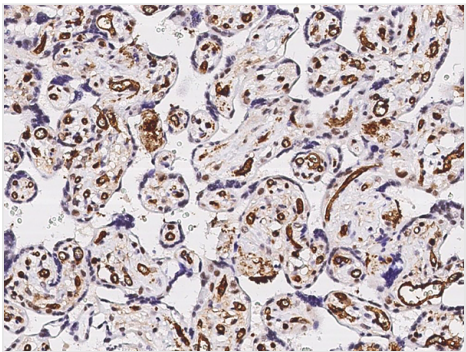
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	311
Specificity	Human CD31/PECAM-1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PECAM1 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human CD31/PECAM-1 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human CD31/PECAM-1 (rh CD31/PECAM-1).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human CD31 in human stomach with rabbit monoclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human CD31 in human placenta with rabbit monoclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PECAM1 antibody	The Cluster of Differentiation 31 (CD31) adhesion molecule, also known as platelet-endothelial cell adhesion molecule-1 (PECAM-1), is the only known member of the CAM family on platelets. CD31 protein is a 130-kDa transmembrane glycoprotein expressed by endothelial cells, platelets, monocytes, neutrophils, and certain T cell subsets. CD31 protein is also expressed in certain tumors, including epithelioid hemangioendothelioma, other vascular tumors, and histiocytic malignancies. CD31 plays a key role in removing aged neutrophils and tissue regeneration. CD31 protein mediates the homotypic or heterotypic cell adhesion by binding to itself or the leukocyte integrin alphavbeta3, and thus plays a role in neutrophil recruitment in inflammatory responses, transendothelial migration of leukocytes, as well as in cardiovascular development.
Product Categories/Family for anti-PECAM1 antibody	Hemangioblast Markers ITIM/ITAM Immunoreceptors and Related Molecules
References	Deaglio S, et al. (2000) CD38/CD31, a receptor/ligand system ruling adhesion and signaling in human leukocytes. Chem Immunol. 75: 99-120.Kohler S, et al. (2009) Life after the thymus: CD31+ and CD31-human naive CD4+ T-cell subsets. Blood. 113(4): 769-74.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119614614
NCBI GeneID	5175
Molecular Weight	81,378 Da
NCBI Official Full Name	platelet/endothelial cell adhesion molecule (CD31 antigen), isoform CRA_a
NCBI Official Synonym Full Names	platelet and endothelial cell adhesion molecule 1
NCBI Official Symbol	PECAM1
NCBI Official Synonym Symbols	CD31; PECA1; GPIIA'; PECAM-1; endoCAM; CD31/EndoCAM
NCBI Protein Information	platelet endothelial cell adhesion molecule

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.