

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

CD31/PECAM1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28467	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

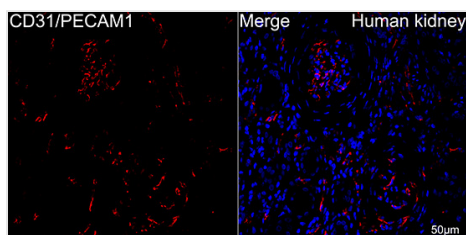
PRODUCT SYNONYMS

CD31/PECAM1; Monoclonal Antibody; CD31/PECAM1 Rabbit mAb; CD31; PECA1; GPIIA'; PECAM-1; endoCAM; CD31/EndoCAM; anti-PECAM1 antibody

PRODUCT SPECIFICATIONS

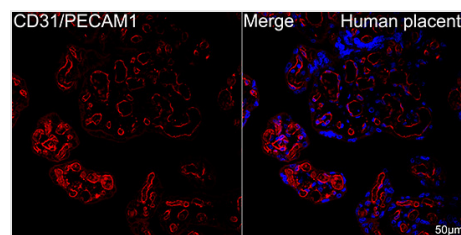
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	AKQMPVEMSR PAVPLLNSNN EKMSDPNMEA NSHYGHNDV RNHAMKPIND NKEPLNSDVQ YTEVQVSSAE SHKDLGKKDT ETVYSEVRKA VPDAVESRYS RTEGSLDGT
Applicable Applications for anti-PECAM1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:2000-1:10000 IHC-P: 1:500-1:2000 IF/ICC: 1:200-1:600 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 630-738 of CD31/PECAM1 (NP_000433.4).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



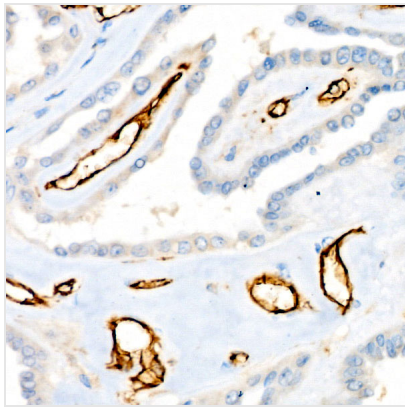
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded human kidney using CD31/PECAM1 Rabbit mAb (AAA28467, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



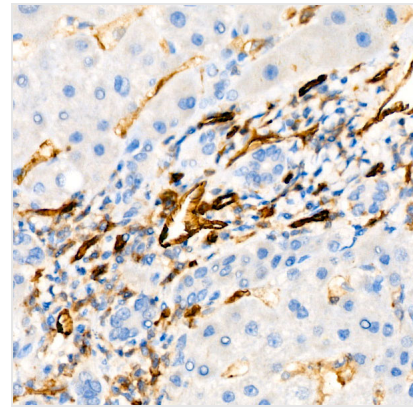
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded human placenta using CD31/PECAM1 Rabbit mAb (AAA28467, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



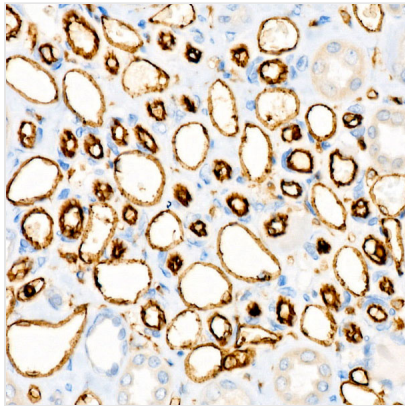
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human thyroid using CD31/PECAM1 Rabbit mAb (AAA28467) at dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



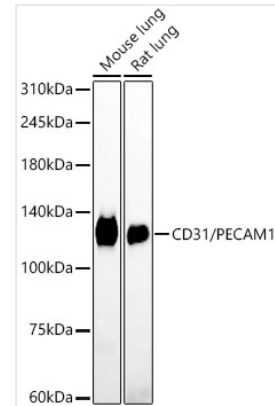
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human liver using CD31/PECAM1 Rabbit mAb (AAA28467) at dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human kidney using CD31/PECAM1 Rabbit mAb (AAA28467) at dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates, using CD31/PECAM1 (AAA28467) at 1:12500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-PECAM1 antibody	The protein encoded by this gene 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. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation.
Product Categories/Family for anti-PECAM1 antibody	Cancer ; Tumor immunology ; Invasion and Metastasis ; Signal Transduction ; Cell Biology Developmental Biology ; Cell Adhesion ; Cytoskeleton ; Immunology Inflammation ; CDs ; Stem Cells ; Hematopoietic Progenitors ; Mesenchymal Stem Cells ; Cardiovascular ; Angiogene

NCBI AND UNIPROT INFORMATION

NCBI GI #	313760624
NCBI GeneID	5175
NCBI Accession #	NP_000433.4
NCBI GenBank Nucleotide #	NM_000442.4
UniProt Accession #	P16284; Q6LDA9; Q8TBH1; Q96RF5; Q96RF6; Q9NP65; Q9NPB7; Q9NPG9; Q9NQS9; Q9NQTO; Q9NQT1; Q9NQT2
Molecular Weight	Calculated MW: 83kDa Observed MW: 135kDa

UniProt Protein Name	Platelet endothelial cell adhesion molecule
UniProt Gene Name	PECAM1
UniProt Synonym Gene Names	PECAM-1
UniProt Entry Name	PECA1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd31-pecam1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28467>