

Rabbit anti-Human PECAM-1 Polyclonal Antibody | anti-PECAM-1 antibody

PECAM-1 (Ab-713) Antibody

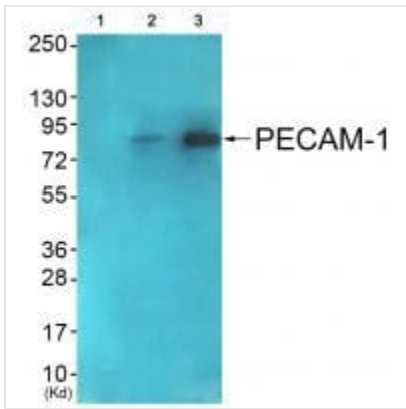
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA306515	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

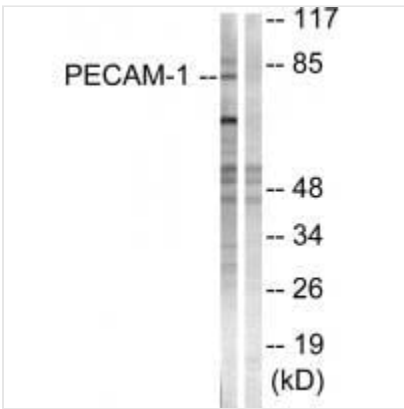
PECAM-1; Polyclonal Antibody; PECAM-1 (Ab-713) Antibody; CD31; CD31 antigen; EndoCAM; PEC1; PECA1; anti-PECAM-1 antibody

PRODUCT SPECIFICATIONS

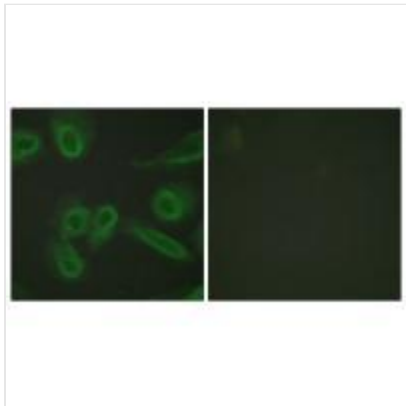
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total PECAM-1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	738
Applicable Applications for anti-PECAM-1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human PECAM-1 around the phosphorylation site of tyrosine 713 (T-V-Y(p)-S-E).
Target Name	PECAM-1
Preparation and Storage	Store at -20 degree C



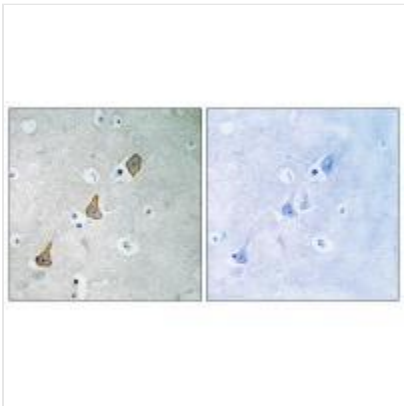
WB (Western Blot)
Western blot analysis of extracts from COS7 cells (Lane 2) and JK cells (Lane 3), using PECAM-1 (Ab-713) antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using PECAM-1 (Ab-713) antibody.



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells, using PECAM-1 (Ab-713) antibody.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human brain tissue using PECAM-1 (Ab-713) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PECAM-1 antibody	Induces susceptibility to atherosclerosis By similarity. Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions. Tyr-690 plays a critical role in TEM and is required for efficient trafficking of PECAM1 to and from the lateral border recycling compartment (LBRC) and is also essential for the LBRC membrane to be targeted around migrating leukocytes. Prevents phagocyte ingestion of closely apposed viable cells by transmitting 'detachment' signals, and changes function on apoptosis, promoting tethering of dying cells to phagocytes (the encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces leads to the viable cell's active repulsion from the phagocyte. During apoptosis, the inside-out signaling of PECAM1 is somehow disabled so that the apoptotic cell does not actively reject the phagocyte anymore. The lack of this repulsion signal together with the interaction of the eat-me signals and their respective receptors causes the attachment of the apoptotic cell to the phagocyte, thus triggering the process of engulfment). Isoform Delta15 is unable to protect against apoptosis. Modulates BDKRB2 activation. Regulates bradykinin- and hyperosmotic shock-induced ERK1/2 activation in human umbilical cord vein cells (HUVEC).Tieming Zhao, J. Cell Biol., Jan 2001; 152: 65. SM Watt, Blood, Nov 1993; 82: 2649 - 2663. NETA ILAN, FASEB J, Feb 2001; 15: 362.
Product Categories/Family for anti-PECAM-1 antibody	Total protein Ab

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; Q9NQT0; A8K3S7; D3DU31
Molecular Weight	81,378 Da
NCBI Official Full Name	platelet endothelial cell adhesion molecule
NCBI Official Synonym Full Names	platelet/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
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/polyclonal/pecam-1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/306515>