



CD31 (Phospho Tyr690) Rabbit pAb

Catalog No	YP-Ab-17657
Isotype	IgG
Reactivity	Human, Mouse, Rat
Applications	IHC, WB
Gene Name	PECAM1
Protein Name	Platelet endothelial cell adhesion molecule (PECAM-1) (EndoCAM) (GPIIA') (PECA1) (CD antigen CD31)
Immunogen	Synthesized peptide derived from human CD31 (Phospho Tyr690)
Specificity	This antibody detects endogenous levels of CD31 (Phospho Tyr690) Rabbit pAb at Human, Mouse, Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Rabbit, polyclonal
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000 IHC 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Platelet endothelial cell adhesion molecule (PECAM-1) (EndoCAM) (GPIIA') (PECA1) (CD antigen CD31)
Observed Band	85-130kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell surface expression on neutrophils is down-regulated upon fMLP or CXCL8/IL8-mediated stimulation. .; [Isoform Long]: Cell membrane ; Single-pass type I membrane protein . Membrane raft . Cell junction . Localizes to the lateral border recycling compartment (LBRC) and recycles from the LBRC to the junction in resting endothelial cells. .; [Isoform Delta15]: Cell junction . Localizes to the lateral border recycling compartment (LBRC) and recycles from the LBRC to the junction in resting endothelial cells.
Tissue Specificity	Expressed on platelets and leukocytes and is primarily concentrated at the borders between endothelial cells (PubMed:18388311, PubMed:21464369). Expressed in human umbilical vein endothelial cells (HUVECs) (at protein level) (PubMed:19342684, PubMed:17580308). Expressed on neutrophils (at protein level) (PubMed:17580308). Isoform Long predominates in all tissues examined (PubMed:12433657). Isoform Delta12 is detected only in trachea (PubMed:12433657). Isoform Delta14-15 is only detected in lung (PubMed:12433657). Isoform Delta14 is detected in all tissues examined with the strongest expression in heart (PubMed:12433657). Isoform Delta15 is expressed in brain, testis, ovary, cell surface of platelets, human umbilical vein endothelial cells (HUVECs), Jurkat T-cell leukemia, human erythroleuk

**Function**

function: This protein is a cell adhesion molecule expressed on platelets and at endothelial cell intercellular junctions., online information: CD31 entry, online information: PECAM-1, online information: The Singapore human mutation and polymorphism database, PTM: Phosphorylated on Ser and Tyr residues after cellular activation., similarity: Contains 6 Ig-like C2-type (immunoglobulin-like) domains., tissue specificity: Long isoform predominates all tissues examined, isoform Delta12 was detected only in trachea and isoform Delta14-15 only in lung, isoform Delta14 was detected in all tissues examined with the strongest expression in heart.,

Background

platelet and endothelial cell adhesion molecule 1 (PECAM1) Homo sapiens
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. [provided by RefSeq, May 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images