

PECAM1

Reactivity:Human Mouse

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:100 - 1:200

Calculated MW:83kDa

Observed MW:Refer to Figures

Immunogen:

A synthetic peptide of human PECAM1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

PECAM1; CD31; FLJ58394; PECAM-1;

Catalog #:A11524

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:5175

Isotype:IgG

Swiss Prot:P16284

Purity:Affinity purification

For research use only.

Background:

CD31 (Platelet Endothelial Cell Adhesion Molecule-1: PECAM-1), a member of the Ig superfamily of cell adhesion molecules, is expressed by circulating platelets, monocytes, neutrophils, some T cells and endothelial cells, and modulates cell adhesion, endothelial cell migration and angiogenesis (1). CD31 is phosphorylated on Tyr686 at the cytoplasmic carboxy-terminal tail upon various stimuli (e.g. mechanical stress or oxidative stress), presumably by Src family members (2). The tyrosine phosphorylation mediates associations with a number of SH2 domain containing binding partners such as PI3-kinase, SHIP, PLC and SHP-2. Thus, CD31 serves as a scaffold for various signaling molecules (3).

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