

## PECAM1

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**Reactivity:**Human

**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 #:**A2104

**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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