

## 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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