



CD31 Polyclonal Antibody

E92104

Catalog Number: E92104**Amount:** 100ul

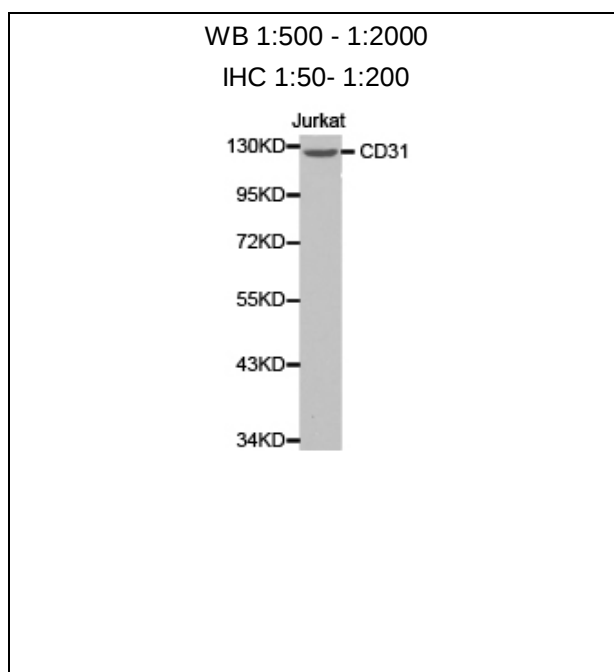
Background: CD31 (Platelet Endothelial Cell Adhesion Molecule-1: PECAM-1), a member of the Ig superfamily of cell adhesion molecules, is expressed by circulating platelets, monocytes, neutrophils, some T cells and endothelial cells, and modulates cell adhesion, endothelial cell migration and angiogenesis (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 γ and SHP-2. Thus, CD31 serves as a scaffold for various signaling molecules (3).

Species: Rabbit**Isotype:** IgG

Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: PECAM1;CD31; FLJ58394; PECAM-1;**Immunogen:** A synthetic peptide of human CD31**Purification:** Affinity purification**Reactivity:** H**Applications:** WB IHC**Molecular Weight:** 83kDa**Swiss-Prot No. :** P16284**Gene ID:** 5175

References: 1. Newman, P.J. (1997) J. Clin. Invest. 99, 3-8. 2. Cao, M. Y. et al. (1998) J. Biol. Chem. 273, 15765-15772. 3. Ilan, N. and Madri, J.A. (2003) Curr. Opin. Cell Biol. 15, 515-524.

**For Research Use Only**

Western blot analysis of extracts of Jurkatcell line,
using CD31 antibody.