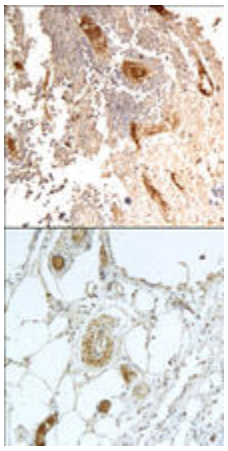
CD31 (N-term) Antibody

Subcategory: HRP-conjugated Antibody, Rabbit Polyclonal Antibody
Cat. No.: 252252
Unit: 0.1 mg

Description:
CD31 (PECAM1) is a member of the immunoglobulin (Ig) superfamily that is expressed on the surface of circulating platelets, monocytes, neutrophils, and particular T-cell subsets. CD31 is also a major constituent of the endothelial cell intercellular junction, where up to an estimated 1 million molecules are concentrated. Because of this cellular expression pattern, CD31 is implicated in several functions, including transendothelial migration of leukocytes, angiogenesis, and integrin activation. Ig superfamily members are known to mediate cell adhesion, or antigen recognition, e.g. immunoglobulins, T-cell receptors, and MHC molecules. In addition, a subgroup comprising 30 members characterized by the presence of one or more immunoreceptor tyrosine-based inhibitory motifs (ITIMs) within their cytoplasmic domain has also been recognized. CD31, which has 6 ITIMs within its cytoplasmic domain, is a member of this subfamily.

Isotype: Rabbit Ig
Applications: E, IHC, WB
Species Reactivity: B, H, M, P, R, Sh
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 1% BSA and 0.02% gentamicin. Antibody was purified by Protein-G affinity chromatography.
Alternate Names: Platelet endothelial cell adhesion molecule; PECAM-1; EndoCAM; CPIIA'; CD31 antigen; PECAM1
Accession No.: P16284

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CD31.
Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



Vascular endothelial cells in paraffin-embedded mouse melanoma (top) and rat fat tissue (bottom) are stained with CD31 (N-term) Antibody (Cat. No. 250589) used at a 1:200 dilution.

Storage: Store at -20°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.