

CD31/PECAM-1 Antibody**cat: PAB1188**

Species Reactivity
Mouse, Rat, Human
Specificity
Detects mouse CD31/PECAM-1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 10% cross-reactivity with recombinant human CD31 and recombinant porcine CD31 is observed. Detects mouse CD31 and rat CD31 in flow cytometry.
Source
Polyclonal Goat IgG
Purification
Antigen Affinity-purified
Immunogen
Mouse myeloma cell line NS0-derived recombinant mouse CD31/PECAM-1
Label
Unconjugated

Applications

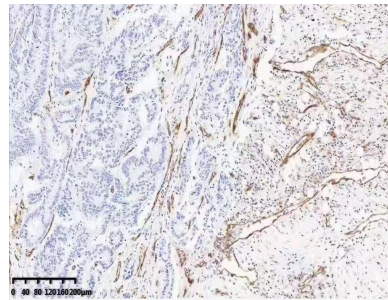
Applications	IHC, IF
Species	Rat, Mouse, Human
Dilution	1:50-1:100
Positive tissue	Liver,,heart,tumor

Background

Platelet endothelial cell adhesion molecule (PECAM-1) also known as cluster of differentiation 31 (CD31) is a protein that in humans is encoded by the PECAM1 gene found on chromosome 17. PECAM-1 plays a key role in removing aged neutrophils from the body. PECAM-1 is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte transmigration, angiogenesis, and integrin activation.

Images

Immunohistochemistry analysis of paraffin-embedded human tumor using CD31 (RB10099) at dilution of 1:100



Storage

Storage	Store at -20 °C for one year. Avoid repeated freeze/ thaw cycles.
Storage Buffer	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

NOTE: This product is intended for research only.