

For Research Use Only

Rat CD31/PECAM-1 Recombinant antibody, PBS Only

Catalog Number: 85898-4-PBS



Basic Information

Catalog Number: 85898-4-PBS	GenBank Accession Number: NP_113779.1	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 29583	CloneNo.: 250372F8
Source: Rabbit	UNIPROT ID: Q3SWT0	
Isotype: IgG	Full Name: platelet/endothelial cell adhesion molecule 1	
Immunogen Catalog Number: EG1456	Calculated MW: 76kDa	
	Observed MW: 100-130 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
mouse, rat

Background Information

Platelet endothelial cell adhesion molecule-1 (PECAM-1, CD31) is a member of the immunoglobulin gene superfamily of cell adhesion molecules. CD31 is a transmembrane glycoprotein that is highly expressed on the surface of the endothelium, making up a large portion of its intracellular junctions. PECAM-1 is also present on the surface of hematopoietic cells and immune cells including platelets, monocytes, neutrophils, natural killer cells, megakaryocytes and some types of T-cell (PMID: 9011572). As well as its role in cell-cell adhesion, PECAM-1 functions as a signaling receptor, and is involved in important physiological events such as nitric oxide production, regulation of T-cell immunity and tolerance, leukocyte transendothelial migration and inflammation and angiogenesis (PMID: 21183735; 20978210; 17872453; 20634489).

Storage

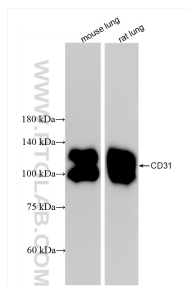
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

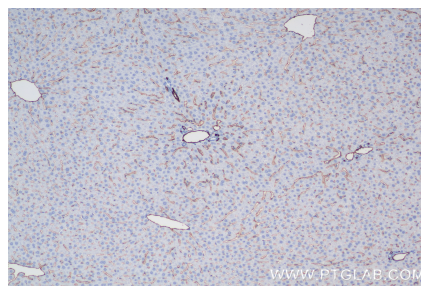
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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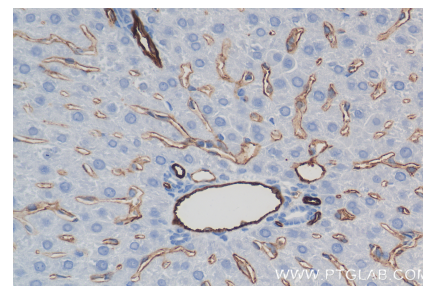
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85898-4-RR (CD31/PECAM-1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85898-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 85898-4-RR (CD31/PECAM-1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85898-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 85898-4-RR (CD31/PECAM-1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85898-4-PBS in a different storage buffer formulation.