

For Research Use Only

CD297/ART4 Polyclonal antibody

Catalog Number:33949-1-AP



Basic Information

Catalog Number: 33949-1-AP	GenBank Accession Number: NM_026639.2	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 430 ug/ml by Nanodrop;	GeneID (NCBI): 109978	Recommended Dilutions: WB: 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q9CRA0	
Isotype: IgG	Full Name: ADP-ribosyltransferase 4	
Immunogen Catalog Number: EG6315	Calculated MW: 33 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat heart tissue, rat liver tissue
Species Specificity: mouse	

Background Information

CD297/ART4 is a GPI-anchored ecto-ADP-ribosyltransferase best known as the molecular carrier of Dombrock blood group antigens on erythrocytes. Expressed on red blood cells, hematopoietic progenitors, and select immune cells, it participates in cell-surface signaling and immune recognition, though its catalytic activity is limited. CD297/ART4 polymorphisms underlie clinically significant transfusion reactions, making it a key target in hematology, transfusion medicine, and erythroid biology.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

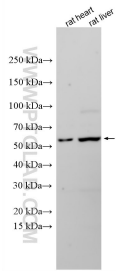
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33949-1-AP (CD297/ART4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.