

For Research Use Only

# CD297/ART4 Polyclonal antibody

Catalog Number:33949-1-AP



## Basic Information

Catalog Number:

33949-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6315

GenBank Accession Number:

NM\_026639.2

GeneID (NCBI):

109978

UNIPROT ID:

Q9CRA0

Full Name:

ADP-ribosyltransferase 4

Calculated MW:

33 kDa

Observed MW:

58 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:3000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : rat heart tissue, rat liver tissue

## 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

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

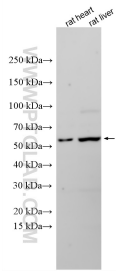
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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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.