

Product Name: CD297 Rabbit Polyclonal Antibody**Catalog #: APRab08329**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC, ICC/IF, ELISA
Reactivity	Human, Rat, Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio IHC 1:50-1:200, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000

Molecular Weight

Antigen Information

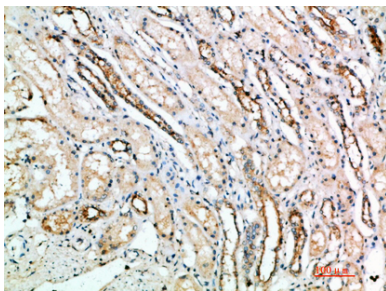
Gene Name	ART4 DO DOK1 Ecto-ADP-ribosyltransferase 4 (EC 2.4.2.31; ADP-ribosyltransferase C2 and C3 toxin-like
Alternative Names	4; ARTC4; Dombrock blood group carrier molecule; Mono(ADP-ribosyl)transferase 4; NAD(P) (+)--arginine ADP-ribosyltransferase 4; CD antigen CD297)
Gene ID	420.0
SwissProt ID	Q93070
Immunogen	Synthetic peptide from human protein at AA range: 181-230

Background

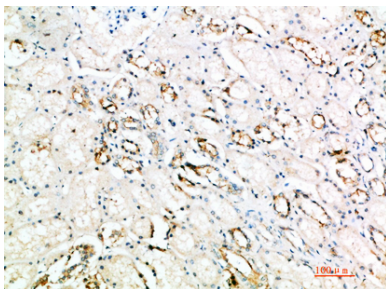
This gene encodes a protein that contains a mono-ADP-ribosylation (ART) motif. It is a member of the ADP-ribosyltransferase gene family but enzymatic activity has not been demonstrated experimentally. Antigens of the Dombrock blood group system are located on the gene product, which is glycosylphosphatidylinositol-anchored to the erythrocyte membrane. Allelic variants, some of which lead to adverse transfusion reactions, are known. [provided by RefSeq, Jul 2008],catalytic activity:NAD(+) + protein-L-arginine = nicotinamide + N(omega)-(ADP-D-ribosyl)-protein-L-arginine.,catalytic activity:NADP(+) + protein-L-arginine = nicotinamide + N(omega)-((2'-phospho-ADP)-D-ribosyl)-protein-L-arginine.,online information:Blood group antigen gene mutation database,polymorphism:DO is responsible for the Dombrock blood group system. The molecular basis of the Do(a)/Do(b) blood group antigen is a single variation in position 265; Asn-265 corresponds to Do(a) and Asp-265 to Do(b). It is also responsible for the antigens Gregory [Gy(a)], Holley [Hy] and Joseph [Jo(a)].,similarity:Belongs to the Arg-specific ADP-ribosyltransferase family.,tissue specificity:Expressed in spleen and T-cells,

Research Area

Image Data



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200