Immunoway
Best Tools for immunology Research

CD297 Polyclonal Antibody

Catalog No :	YT5943
Reactivity :	Human;Rat;Mouse;
Applications :	IHC;IF;ELISA
Target :	CD297
Gene Name :	ART4 DO DOK1
Protein Name :	Ecto-ADP-ribosyltransferase 4 (EC 2.4.2.31) (ADP-ribosyltransferase C2 and C3 toxin-like 4) (ARTC4) (Dombrock blood group carrier molecule) (Mono(ADP-ribosyl)transferase 4) (NAD(P)(+)--arginine ADP-ri
Human Gene Id :	420
Human Swiss Prot No :	Q93070
Mouse Gene Id :	109978
Mouse Swiss Prot No :	Q9CRA0
Immunogen :	Synthetic peptide from human protein at AA range: 181-230
Specificity :	The antibody detects endogenous CD297
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

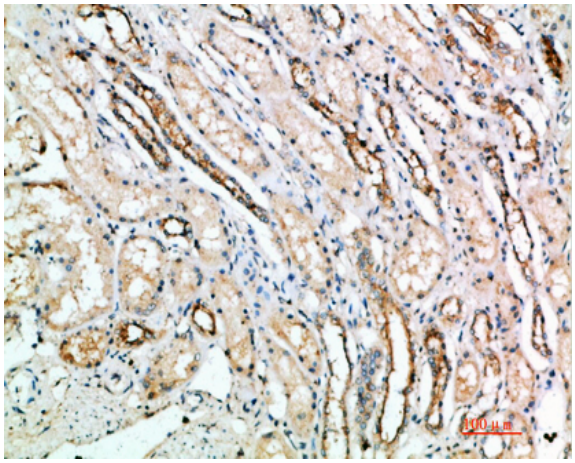
Background : This gene encodes a protein that contains a mono-ADP-ribosylation (ART) motif. It is a member of the ADP-ribosyltransferase gene family but enzymatic activity has not been demonstrated experimentally. Antigens of the Dombrock blood group system are located on the gene product, which is glycosylphosphatidylinosotol-anchored to the erythrocyte membrane. Allelic variants, some of which lead to adverse transfusion reactions, are known. [provided by RefSeq, Jul 2008],

Function : 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.,

Subcellular Location : Cell membrane; Lipid-anchor, GPI-anchor.

Expression : Expressed in spleen and T-cells.

Products Images



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