

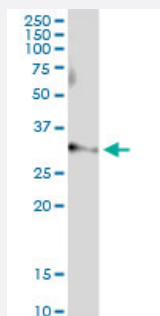
MaxPab®

ART4 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000420-D01

Size 100 uL

Applications



Immunoprecipitation

Immunoprecipitation of ART4 transfected lysate using anti-ART4 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ART4 MaxPab mouse polyclonal antibody (B01) ([H00000420-B01](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ART4 protein.

Immunogen

ART4 (NP_066549.2, 1 a.a. ~ 314 a.a) full-length human protein.

Sequence

MGPLINRCKKILLPTTVPPATMRWLLGGLLPFLLLLSGLQRPTEGSEVAIKIDFDFAPGSFDDQYQ
GCSKQVMEKLTQGDYFTKDIEAQKNYFRMWQKAHLAWLNQGKVL PQNM TTT HAVAILFYTLNSNV
HSD FTRAMASVARTPQQYERSFHF KYLHYLTSAIQLLRKDSIMENGLTCYEVHYRTKDVHFNAYT
GATIRFGQFLSTSL KEEAQEFGNQTLFTIFTCLGAPVQYFSLKKEVLIPPYELFKVINMSYHPRGD
WLQLRSTGNLSTYNCQLLKASSKKCIPDPIASLSFLTSVIIFS KSRV

Host

Rabbit

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

No additive

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

Immunoprecipitation of ART4 transfected lysate using anti-ART4 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ART4 MaxPab mouse polyclonal antibody (B01) ([H00000420-B01](#)).

[Protocol Download](#)

Gene Info — ART4

Entrez GeneID	420
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GeneBank Accession#	NM_021071.2
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Protein Accession#	NP_066549.2
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Gene Name	ART4
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Gene Alias	CD297, DO, DOK1
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Gene Description	ADP-ribosyltransferase 4 (Dombrock blood group)
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Omim ID	110600
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Gene Ontology	Hyperlink
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Gene Summary	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]
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Other Designations	ADP-ribosyltransferase 4 ADP-ribosyltransferase 4 (DO blood group) Dombrock blood group carrier molecule mono-ADP-ribosyltransferase 4
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Publication Reference

- [Structural organization of erythrocyte membrane microdomains and their relation with malaria susceptibility.](#)

Anna Olivieri, Rebecca S. Lee, Federica Fratini, Cyrianne Keutcha, Mudit Chaand, Valentina Mangano, Francesco Celani, Stefania Mochi, Cecilia Birago, Silvio Paone, Felicia Grasso, Valentina Tirelli, Mario Falchi, Estela Shabani, Stefania Bertoncini, Bienvenu Sodiomon Sirima, Elisabetta Pizzi, David Modiano, Manoj T. Duraisingh, Marta Ponzi.

Communications Biology 2021 Dec; 4(1):1375.

Application: IF, Human, Hhuman red blood cells