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ART1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2311a

Product Information

Application	WB, E
Primary Accession	P52961
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB4939
Calculated MW	36335
Antigen Region	14-43

Additional Information

Gene ID	417
Other Names	GPI-linked NAD(P)(+)--arginine ADP-ribosyltransferase 1, ADP-ribosyltransferase C2 and C3 toxin-like 1, ARTC1, Mono(ADP-ribosyl)transferase 1, CD296, ART1
Target/Specificity	This ART1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-43 amino acids from the N-terminal region of human ART1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ART1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ART1
Function	Has ADP-ribosyltransferase activity toward GLP1R.
Cellular Location	Sarcoplasmic reticulum membrane; Lipid-anchor, GPI-anchor

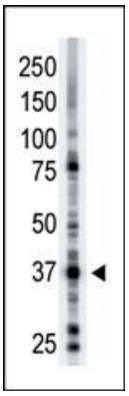
Background

ADP-ribosyltransferase catalyzes the ADP-ribosylation of arginine residues in proteins.
Mono-ADP-ribosylation is a posttranslational modification of proteins that is interfered with by a variety of bacterial toxins including cholera, pertussis, and heat-labile enterotoxins of E. coli. The amino acid sequence of ART1 consists of predominantly hydrophobic N- and C-terminal regions, which is characteristic of glycosylphosphatidylinositol (GPI)-anchored proteins.

References

Koch-Nolte, F., et al., Genomics 39(3):370-376 (1997). Koch-Nolte, F., et al., Genomics 36(1):215-216 (1996). Okazaki, I.J., et al., Biochemistry 33(43):12828-12836 (1994).

Images



The anti-ART1 Pab (Cat. #AP2311a) is used in Western blot to detect ART1 in mouse brain tissue lysate.

Citations

- Arginine ADP-ribosyltransferase 1 promotes angiogenesis in colorectal cancer via the PI3K/Akt pathway.
- Regulation of the RhoA/ROCK/AKT/β-catenin pathway by arginine-specific ADP-ribosytransferases 1 promotes migration and epithelial-mesenchymal transition in colon carcinoma.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.