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# ART1 Antibody (N-term)
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP2311a**

## Specification

### ART1 Antibody (N-term) - Product Information

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

### ART1 Antibody (N-term) - 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

**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.

### ART1 Antibody (N-term) - Protein Information

**Name** ART1

**Function** Has ADP-ribosyltransferase activity toward GLP1R.

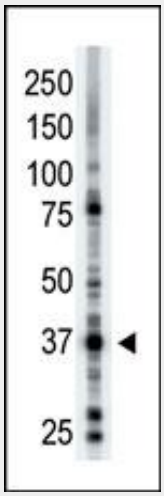
**Cellular Location**
Sarcoplasmic reticulum membrane; Lipid-anchor, GPI-anchor

### ART1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### ART1 Antibody (N-term) - Images




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

### ART1 Antibody (N-term) - 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.

### ART1 Antibody (N-term) - 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).

### ART1 Antibody (N-term) - Citations

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

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PI3K/Akt pathway.