

**ART1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2311c****Specification**

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**ART1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P52961</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	210-240

**ART1 Antibody (Center) - 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 210-240 amino acids from the Central 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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**ART1 Antibody (Center) - Protein Information****Name** ART1**Function** Has ADP-ribosyltransferase activity toward GLP1R.**Cellular Location**

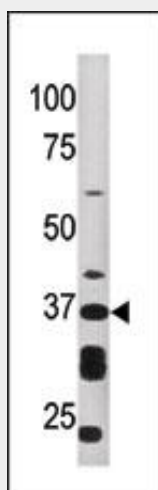
Sarcoplasmic reticulum membrane; Lipid-anchor, GPI-anchor

### ART1 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ART1 Antibody (Center) - Images



Western blot analysis of anti-ART1 Pab (Cat. #AP2311c) in HepG2 cell line lysate (35ug/lane). ART1 (arrow) was detected using the purified Pab.

### ART1 Antibody (Center) - 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 (Center) - 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 (Center) - Citations

- [Tubb3 regulation by the Erk and Akt signaling pathways: a mechanism involved in the effect of arginine ADP-ribosyltransferase 1 \(Art1\) on apoptosis of colon carcinoma CT26 cells.](#)