10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ART1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP2311c

Specification

ART1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession	P52961
Other Accession	NAR1_HUMAN

ART1 Antibody (Center) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP2311c was selected from the Center region of human ART1 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ART1 Antibody (Center) Blocking Peptide - Protein Information

Name ART1

Function
Has ADP-ribosyltransferase activity toward GLP1R.

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

ART1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

ART1 Antibody (Center) Blocking Peptide - Images

ART1 Antibody (Center) Blocking Peptide - 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.