

ART3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2312a**Specification****ART3 Antibody (N-term) Blocking Peptide -
Product Information**

Primary Accession [Q13508](#)
Other Accession [NP_001170](#)

**ART3 Antibody (N-term) Blocking Peptide -
Additional Information**

Gene ID 419

Other Names

Ecto-ADP-ribosyltransferase 3,
ADP-ribosyltransferase C2 and C3 toxin-like
3, ARTC3, Mono(ADP-ribosyl)transferase 3,
NAD(P)(+)-arginine ADP-ribosyltransferase
3, ART3, TMART

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2312a](#) was selected from the N-term region of human ART3 . 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.

**ART3 Antibody (N-term) Blocking Peptide -
Protein Information****ART3 Antibody (N-term) Blocking Peptide -
Background**

Mono-ADP-ribosylation involves the transfer of the ADP-ribose moiety from NAD⁺ to a specific amino acid in the target protein. The rodent mono-ADP-ribosyltransferase RT6 is a glycosylphosphatidylinositol (GPI)-anchored membrane protein specifically expressed at the cell surface of rat and mouse T lymphocytes. The predicted 367-amino acid human ART3 protein has an estimated molecular mass of 41.5 kD and contains a hydrophobic peptide signal at its N terminus, 3 consensus motifs specific to enzymes catalyzing ADP-ribose transfer, a hydrophobic C-terminal sequence characteristic of a GPI-anchored protein, a novel motif repeated 3 times at its C terminus, and 1 potential glycosylation site.¹ The ART3 and rodent RT6 proteins share 35% amino acid identity.

**ART3 Antibody (N-term) Blocking Peptide -
References**

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Koch-Nolte, F., et al., Genomics 39(3):370-376 (1997). Levy, I., et al., FEBS Lett. 382(3):276-280 (1996).

Name ART3

Synonyms TMART

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor.

Tissue Location

Testis specific.

**ART3 Antibody (N-term) Blocking Peptide -
Protocols**

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

- [Blocking Peptides](#)