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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

Name ART3

Synonyms TMART

Cellular Location
Cell membrane; Lipid-anchor, GPI-anchor.

Tissue Location
Testis specific.

ART3 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ART3 Antibody (N-term) Blocking Peptide - Images

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).