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

ART3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14565b

Product Information

Application	WB, E
Primary Accession	Q13508
Other Accession	NP_001123488.1, NP_001170.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34529
Calculated MW	43923
Antigen Region	315-343

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	This ART3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 315-343 amino acids from the C-terminal region of human ART3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	ART3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ART3
Synonyms	TMART

Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor.
Tissue Location	Testis specific.

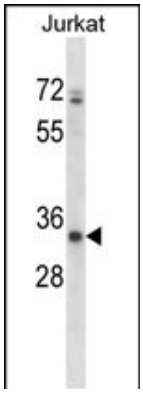
Background

ADP-ribosylation is a reversible posttranslational modification used to regulate protein function. ADP-ribosyltransferases, such as ART3, transfer ADP-ribose from NAD+ to the target protein, and ADP-ribosylhydrolases (see PARG; MIM 603501) reverse the reaction (Glowacki et al., 2002 [PubMed 12070318]).

References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Okada, H., et al. PLoS Genet. 4 (2), E26 (2008) :

Images



ART3 Antibody (C-term) (Cat. #AP14565b) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the ART3 antibody detected the ART3 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.