

Product datasheet for **AP12147PU-N**

ART3 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. western Blot: 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human ART3.
Specificity:	This antibody is specific to ART3/TMART (C-term).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ADP-ribosyltransferase 3
Database Link:	Entrez Gene 419 Human Q13508



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Background:

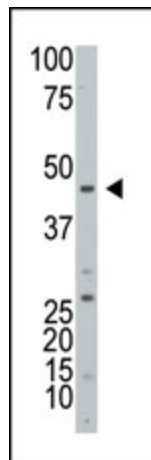
Mono-ADP-ribosylation involves the transfer of the ADP-ribose moiety from NAD⁺ to a specific amino acid in the target protein. The rodent mono-ADP-ribosyltransferase RT6 is a glycosylphosphatidylinositol (GPI)-anchored membrane protein specifically expressed at the cell surface of rat and mouse T lymphocytes. 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.

Synonyms:

FLJ26404; mono-ADP-ribosyltransferase; TMART

Note:

Predicted Molecular weight: 43923 Da

Product images:

Western blot analysis of ART3 Antibody (C-term) in HL60 cell line lysates (25ug/lane). ART3 (arrow) was detected using the purified Pab (4 ug/ml).