

Datasheet for ABIN389011
anti-ART3 antibody (C-Term)

2 Images

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Overview

Quantity:	400 µL
Target:	ART3
Binding Specificity:	AA 280-310, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ART3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ART3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 280-310 amino acids from the C-terminal region of human ART3.
Clone:	RB4943-4944
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ART3
Alternative Name:	ART3 (ART3 Products)

Target Details

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.

Molecular Weight: 43923

Gene ID: 419

NCBI Accession: [NP_001123488](#), [NP_001123489](#), [NP_001170](#)

UniProt: [Q13508](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:4000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

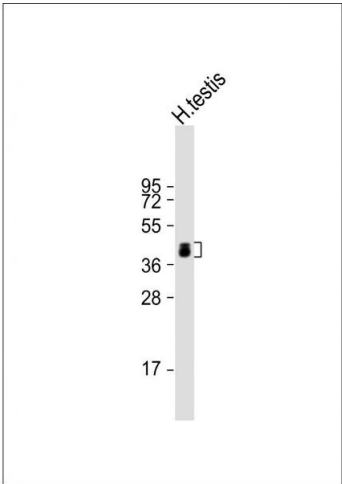
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

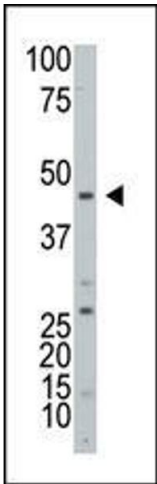
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. Anti-ART3 Antibody at 1:4000 dilution + human testis lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44 kDa. Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 2. Western blot analysis of ART3 Antibody (C-term) in HL60 cell line lysates (25 µg/lane). ART3 (arrow) was detected using the purified Pab (4 µg/mL).