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Datasheet for ABIN7173309 **anti-MIA3 antibody (AA 1447-1626)**

Overview

Quantity:	100 µg
Target:	MIA3
Binding Specificity:	AA 1447-1626
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MIA3 antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Transport and Golgi organization protein 1 homolog protein (1447-1626AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	MIA3
Alternative Name:	MIA3 (MIA3 Products)
Background:	Background: Plays a role in the transport of cargos that are too large to fit into COPII-coated

Target Details

vesicles and require specific mechanisms to be incorporated into membrane-bound carriers and exported from the endoplasmic reticulum. This protein is required for collagen VII (COL7A1) secretion by loading COL7A1 into transport carriers. It may participate in cargo loading of COL7A1 at endoplasmic reticulum exit sites by binding to COPII coat subunits Sec23/24 and guiding SH3-bound COL7A1 into a growing carrier. Does not play a role in global protein secretion and is apparently specific to COL7A1 cargo loading. However, it may participate in secretion of other proteins in cells that do not secrete COL7A1. It is also specifically required for the secretion of lipoproteins by participating in their export from the endoplasmic reticulum (PubMed:27138255, PubMed:19269366). Required for correct assembly of COPII coat components at endoplasmic reticulum exit sites (ERES) and for the localization of SEC16A and membrane-bound ER-resident complexes consisting of CTAGE5 and PREB/SEC12 to ERES (PubMed:28442536).

Aliases: ARNT antibody, C219 reactive peptide antibody, C219-reactive peptide antibody, D320 antibody, Melanoma inhibitory activity family, member 3 antibody, Melanoma inhibitory activity protein 3 antibody, Mia3 antibody, MIA3_HUMAN antibody, RP11-378J18.4 antibody, TANGO antibody, Transport and Golgi organization protein 1 antibody, UNQ6077 antibody

UniProt: [Q5JRA6](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.