MIA3 Monoclonal Antibody

Catalog No	YP-mAb-05723
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	MIA3 KIAA0268 TANGO UNQ6077/PRO20088
Protein Name	Melanoma inhibitory activity protein 3 (C219-reactive peptide) (D320) (Transport and Golgi organization protein 1) (TANGO1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 1110-1190
Specificity	MIA3 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	209kD
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass membrane protein . Localizes at endoplasmic reticulum exit sites (ERES), also known as transitional endoplasmic reticulum (tER) (PubMed:32101163). SEC16A is required for its proper localization to ERES. After loading of COL7A1 into transport carriers, it is not incorporated into COPII carriers and remains in the endoplasmic reticulum membrane. .
Tissue Specificity	Broadly expressed, except in bone marrow and peripheral blood mononuclear cells. Down-regulated in melanoma tissue.
Function	domain:Although 2 transmembrane domains are predicted, PubMed:19269366 showed that it only contains one transmembrane domain. The other predicted transmembrane region is probably a hairpin-type region embedded into the membrane, which does not cross the membrane. It is unclear which of the 2 predicted transmembrane regions is the transmembrane or the hairpin-type region.,domain:The proline-rich region (PRD) mediates the interaction with COPII coat subunits Sec23/24.,function:Required for collagen VII (COL7A1) secretion by loading COL7A1 into transport carriers. 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

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matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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