

ARG44145 anti-MIA3 / TANGO1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes MIA3 / TANGO1
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MIA3 / TANGO1
Species	Human
Immunogen	Human MIA3 / TANGO1 recombinant protein (Position: E54-E1869).
Conjugation	Un-conjugated
Alternate Names	MIA3; MIA SH3 Domain ER Export Factor 3; TANGO1; TANGO; KIAA0268; UNQ6077; Transport And Golgi Organization Protein 1 Homolog; Melanoma Inhibitory Activity Protein 3; MIA Family Member 3, ER Export Factor; C219-Reactive Peptide; FLJ39207; D320; Melanoma Inhibitory Activity Family, Member 3; Melanoma Inhibitory Activity Family Member 3; Transport And Golgi Organization; C219 Reactive Peptide; ODGD2; ARNT

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	IHC-P	2 - 5 µg/ml
	WB	0.25 - 0.5 µg/ml

Application Note The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

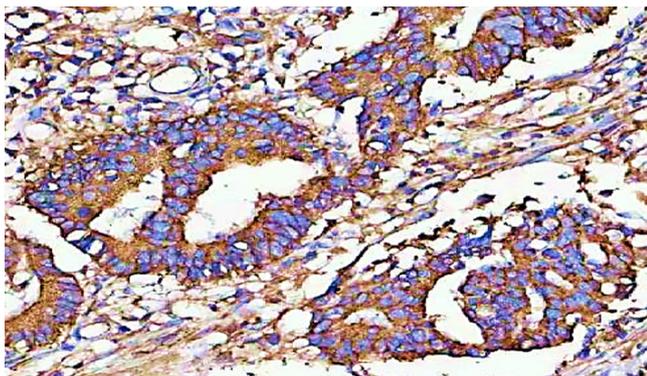
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

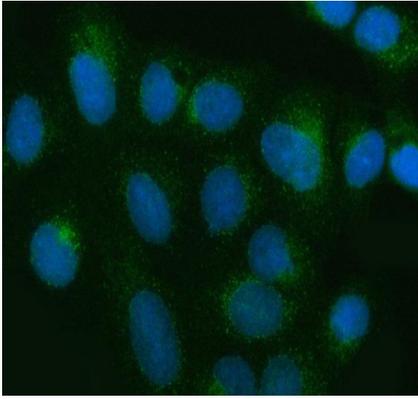
Gene Symbol	MIA3
Gene Full Name	MIA SH3 Domain ER Export Factor 3
Background	Enables cargo receptor activity. Involved in several processes, including COPII-coated vesicle cargo loading; cell migration involved in sprouting angiogenesis; and regulation of leukocyte migration. Located in endoplasmic reticulum exit site and endoplasmic reticulum membrane. Is integral component of membrane.
Function	Plays a role in the transport of cargos that are too large to fit into COPII-coated 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.
Research Area	Deafness, Diabetes mellitus, Dwarfism, Intellectual disability
Calculated Mw	213 kDa
PTM	Glycoprotein, Methylation, Phosphoprotein
Cellular Localization	Endoplasmic reticulum, Membrane

Images



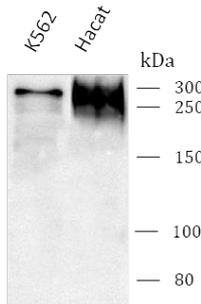
ARG44145 anti-MIA3 / TANGO1 antibody IHC-P image

Immunohistochemistry: Human colorectal adenocarcinoma stained with ARG44145 anti-MIA3 / TANGO1 antibody at 2 µg/ml dilution.



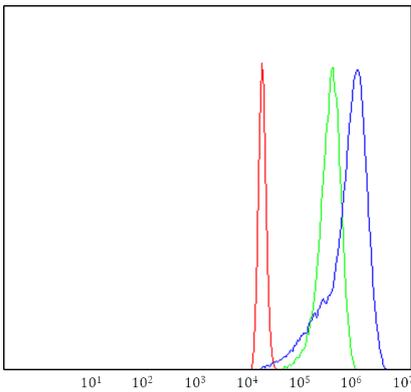
ARG44145 anti-MIA3 / TANGO1 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG44145 anti-MIA3 / TANGO1 antibody at 5 $\mu\text{g}/\text{ml}$ dilution.



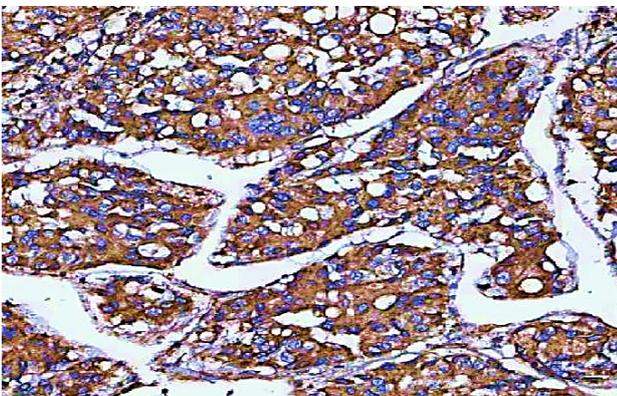
ARG44145 anti-MIA3 / TANGO1 antibody WB image

Western blot: K562 and Hacat stained with ARG44145 anti-MIA3 / TANGO1 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG44145 anti-MIA3 / TANGO1 antibody FACS image

Flow Cytometry: 293T stained with ARG44145 anti-MIA3 / TANGO1 antibody at 1 $\mu\text{g}/10^6$ cells dilution.



ARG44145 anti-MIA3 / TANGO1 antibody IHC-P image

Immunohistochemistry: Human liver cancer stained with ARG44145 anti-MIA3 / TANGO1 antibody at 2 $\mu\text{g}/\text{ml}$ dilution.