

Rabbit anti-Human MIA2 Polyclonal Antibody | anti-MIA2 antibody

MIA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324821	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

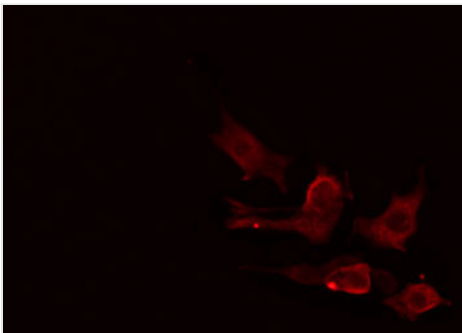
PRODUCT SYNONYMS

MIA2; Polyclonal Antibody; MIA2 Antibody; FLJ22404; Melanoma inhibitory activity 2; Melanoma inhibitory activity protein 2; Mia2; MIA2_HUMAN; anti-MIA2 antibody

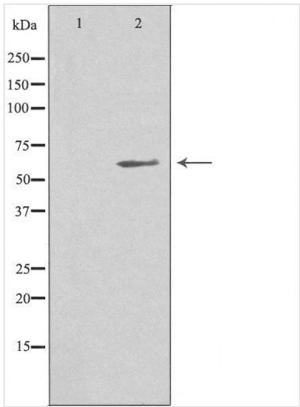
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	MIA2 antibody detects endogenous levels of total MIA2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1412
Applicable Applications for anti-MIA2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Secreted.
Tissue Specificity	Highly expressed in liver and weakly in testis. Expression was higher in patients with severe fibrosis or inflammation and chronic hepatitis (PubMed:12586826). Isoform 1 is specifically expressed in lung, testis, small intestine, colon, pancreas, kidney, liver and prostate (PubMed:27138255).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324821 staining HuvEc cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HuvEc cells, using MIA2 antibody., The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MIA2 antibody	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. Isoform 1 plays a role in the secretion of lipoproteins, pre-chylomicrons and pre-VLDLs, by participating in their export from the endoplasmic reticulum (PubMed:27138255). Thereby, may play a role in cholesterol and triglyceride homeostasis (By similarity). Subunit Structure: Isoform 1 may interact with APOB and MIA3 (PubMed:27138255). Isoform 1 may interact with the COPII coat subunits SEC23A and SEC24C (By similarity). Similarity: The proline-rich domain (PRD) probably mediates interaction with the COPII coat subunits. Belongs to the MIA/OTOR family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1042705444
NCBI GeneID	4253
NCBI Accession #	NP_001316143.1
NCBI GenBank Nucleotide #	NM_001329214.2
UniProt Accession #	Q96PC5; Q9H6C1; A1L4H0; O15320
Molecular Weight	Observed: 62 kD Predicted: 160 kDa
NCBI Official Full Name	cTAGE family member 5 isoform 8
NCBI Official Synonym Full Names	MIA SH3 domain ER export factor 2
NCBI Official Symbol	MIA2
NCBI Official Synonym Symbols	MEA6; MGEA; TALI; MGEA6; CTAGE5; MGEA11
NCBI Protein Information	cTAGE family member 5; melanoma inhibitory activity protein 2
UniProt Protein Name	Melanoma inhibitory activity protein 2
UniProt Gene Name	MIA2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.