

Mouse anti-Human, Mouse RAB1A Monoclonal Antibody | anti-RAB1A antibody

RAB1A Antibody: ATTO 594

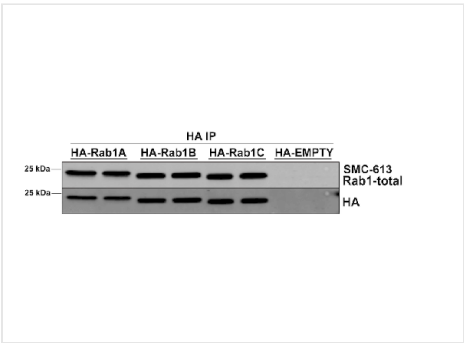
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254041	Mouse	Human, Mouse	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

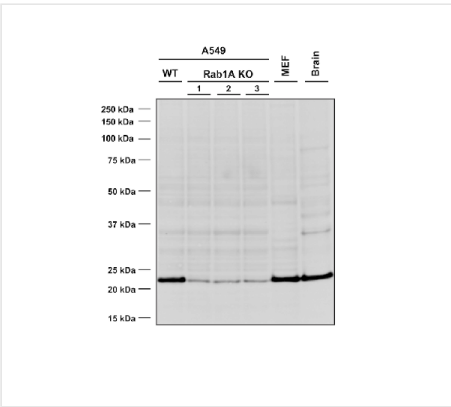
RAB1A; Monoclonal Antibody; RAB1A Antibody: ATTO 594; Mouse Anti-Human RAB1A Monoclonal IgG1; Clone 4G10: ATTO 594; GTP binding protein RAB 1A antibody; antibody; RAB 1 antibody; Rab 1A antibody; Rab1A antibody; RAB1A member RAS oncogene family antibody; RAB1A_HUMAN antibody; Ras related protein Rab 1A antibody; Ras-related protein Rab-1A antibody; YPT1-related protein antibody; RAB1 Antibody; anti-RAB1A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4G10
Specificity	Detects ~23kDa. Cross-reacts with RAB1B and RAB1C.
Purity/Purification	Protein G Purified
Form/Format	PBS pH7.4, 50% glycerol, 0.09% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-RAB1A antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Full length recombinant RAB1A protein
Immunogen Species	Human
Conjugation	ATTO 594
Tissue Specificity	Low tissue specificity.
Cellular Localization	Cytoplasm, Endoplasmic reticulum, Endosome, Golgi apparatus, Membrane
Preparation and Storage	Store at -20 degree C Shipping: Blue Ice



IP (Immunoprecipitation)
Immunoprecipitation analysis using Mouse Anti-RAB1A Monoclonal Antibody, Clone 4G10 .
Tissue: HEK293 cells overexpressing RAB1A, RAB1B, and RAB1C. Species: Human. Primary Antibody: Mouse Anti-RAB1A Monoclonal Antibody .



WB (Western Blot)
Western Blot analysis of Human, Mouse A549 WT and KO cells, MEF, mouse brain cells showing detection of RAB1A protein using Mouse Anti-RAB1A Monoclonal Antibody, Clone 4G10 . Lane 1: MW ladder. Lane 2: WT A549 cells. Lane 3-5: KO A549 clones. Lane 6: MEF cells. Lane 7: mouse brain cells.. Load: 10ug (A549, MEF); 20ug (Mouse Brain). Primary Antibody: Mouse Anti-RAB1A Monoclonal Antibody at 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB1A antibody	Rab1A is mostly found in the membrane of the endoplasmic reticulum (ER) and Golgi apparatus and is involved in cell signaling, cancer, and neurodegenerative diseases (1). It regulates protein transport from the ER to the Golgi compartment and is involved in growth hormone secretion (2).
Product Categories/Family for anti-RAB1A antibody	Antibodies; Cancer; Cell Signaling; Cell Signaling; Autophagy Golgi Proteins; Alzheimer's Disease; Growth Factors; Membrane Trafficking Proteins; Neurodegeneration; Neuroscience; Parkinson's Disease; Protein Trafficking
References	1. Yang, X. et al. (2016) Oncogene. 35(44):5699-57042. pubchem.ncbi.nlm.nih.gov/protein/P62820

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758988
NCBI GeneID	5861
NCBI Accession #	NP_004152.1
NCBI GenBank Nucleotide #	NM_004161.4
UniProt Accession #	P62820; P11476; Q6FIE7; Q96N61; Q9Y3T2
Molecular Weight	13,903 Da
NCBI Official Full Name	ras-related protein Rab-1A isoform 1
NCBI Official Synonym Full Names	RAB1A, member RAS oncogene family
NCBI Official Symbol	RAB1A
NCBI Official Synonym Symbols	RAB1; YPT1
NCBI Protein Information	ras-related protein Rab-1A; GTP binding protein Rab1a; RAB1, member RAS oncogene family; Rab GTPase YPT1 homolog; YPT1-related protein
UniProt Protein Name	Ras-related protein Rab-1A
UniProt Gene Name	RAB1A
UniProt Synonym Gene Names	RAB1
UniProt Entry Name	RAB1A_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rab1a-antibody-clone-4g10-immunoprecipitation-western-blot-elisa/254041>