RAB11A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RAB11A, Polyclonal Antibody
Full Product Name	RAB11A Rabbit pAb
Product Gene Name	anti-RAB11A antibody
Product Synonym Names	YL8
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	24kDa
OMIM	605570
3D Structure	ModBase 3D Structure for P62491
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-216 of human RAB11A (NP_004654.1).
Cellular Localization	Cell Membrane, Cytoplasmic Vesicle, Endosome, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RAB11A antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-RAB11A antibody	WB: 1:500-1:2000 IF: 1:50-1:200
Related Product Information for anti-RAB11A antibody	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab regulates endocytic recycling. Acts as a major regulator of membrane delivery during cytokinesis. Together with MYO5B and RAB8A participates in epithelial cell polarization. Together with RAB3IP, RAB8A, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis. Together with MYO5B participates in CFTR trafficking to the plasma membrane and TF (Transferrin) recycling in nonpolarized cells. Required in a complex with MYO5B and RAB11FIP2 for the transport of NPC1L1 to the plasma membrane. Participates in the sorting and basolateral transport of CDH1 from the Golgi apparatus to the plasma membrane. Regulates the recycling of FCGRT (receptor of Fc region of monomeric Ig G) to basolateral membranes. May also play a role in melanosome transport and release from melanocytes.
Other Notes	Small volumes of anti-RAB11A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RAB11A purchase	MBS8544279 is an antibody targeting RAB11A. Also known as RAB11A Rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAB11A. It may not necessarily be applicable to this product.

NCBI GI #	332205939
NCBI GeneID	8766
NCBI Accession #	NP_001193765.1
UniProt Primary Accession #	P62491
UniProt Related Accession #	P62491
GenBank Nucleotide #	NP_001193765.1
NCBI Official Full Name	ras-related protein Rab-11A isoform 2
NCBI Official Synonym Full Names	RAB11A, member RAS oncogene family
NCBI Official Symbol	RAB11A
NCBI Official Synonym Symbols	YL8
UniProt Protein Name	Ras-related protein Rab-11A
UniProt Synonym Protein Names	YL8
Protein Family	Ras-related protein
UniProt Gene Name	RAB11A
UniProt Synonym Gene Names	RAB11; Rab-11
UniProt Entry Name	RB11A_HUMAN
NCBI Protein Information	ras-related protein Rab-11A
NCBI Summary for RAB11A	The protein encoded by this gene belongs to the Rab family of the small GTPase superfamily. It is associated with both constitutive and regulated secretory pathways, and may be involved in protein transport. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]
Research Articles on RAB11A	**1.** irregularly coated vesicle formation is observed only in influenza A virus infected cells and requires an active Rab11 GTPase.
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