RAB8B Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	RAB8B, Monoclonal Antibody
Full Product Name	RAB8B (Ras-related Protein Rab-8B) (MaxLight 490)
Product Gene Name	anti-RAB8B antibody
Product Synonym Names	FLJ38125
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	1E4
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human RAB8B.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery o product, centrifuge the original vial prior to removing the cap.
Molecular Weight	25.7kDa (227aa)
OMIM	613532
3D Structure	ModBase 3D Structure for Q92930
Immunogen	Partial recombinant corresponding to aa101-208 from human RAB8B (NP_057614) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	NWIRNIEEHASSDVERMILGNKCDMNDKRQVSKERGEKLAIDYGIKFLETSAKSSANVEEAFFTLARDIMTKLNRKMNDSNSAGAGGPVKITENRSKKTSF
Conjugate	MaxLight490
Product Categories/Family for anti-RAB8B antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-RAB8B antibody	FLISA, Western Blot (WB)
Application Notes for anti-RAB8B antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-RAB8B antibody	MaxLight490 is a new Blue-Green photostable dye conjugate comparable to DyLight488, Alexa Fluor488 and offers better labeling efficiency, brighter i and increased immunodetection. Absorbance (491nm); Emission (515nm); Extinction Coefficient 73,000.
Other Notes	Small volumes of anti-RAB8B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces 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 add dry ice fee may apply.
Searchable Terms for RAB8B purchase	MBS6202815 is an antibody targeting RAB8B. Also known as RAB8B (Ras-related Protein Rab-8B) (MaxLight 490). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAB8B. It may not necessarily be applicable to this product.

NCBI GI #	7706563
NCBI GeneID	51762
NCBI Accession #	NP_057614
UniProt Primary Accession #	Q92930
UniProt Secondary Accession #	Q5JPC4; Q9P293
UniProt Related Accession #	Q92930
GenBank Nucleotide #	NM_016530
NCBI Official Full Name	ras-related protein Rab-8B
NCBI Official Synonym Full Names	RAB8B, member RAS oncogene family
NCBI Official Symbol	RAB8B
UniProt Protein Name	Ras-related protein Rab-8B
Protein Family	Ras-related protein
UniProt Gene Name	RAB8B
UniProt Entry Name	RAB8B_HUMAN
NCBI Protein Information	ras-related protein Rab-8B
NCBI Summary for RAB8B	RAB proteins, like RAB8B, are low molecular mass monomeric GTPases that localize on the cytoplasmic surfaces of distinct membrane-bound organelles. RAB proteins function in intracellular vesicle transport by aiding in the docking and/or fusion of vesicles with their target membranes (summary by Chen et al., 1997 [PubMed 9030196]).[supplied by OMIM, Nov 2010]

UniProt Comments for RAB8B	RAB8B: May be involved in vesicular trafficking and neurotransmitter release. May participate in cell junction dynamics in Sertoli cells. Belongs to the small GTPase superfamily. Rab family. Protein type: G protein; Motility/polarity/chemotaxis; G protein, monomeric; G protein, monomeric, Rab Chromosomal Location of Human Ortholog: 15q22.2 Cellular Component: peroxisomal membrane; phagocytic vesicle membrane; trans-Golgi network transport vesicle; synaptic vesicle; mitochondrion; perinuclear region of cytoplasm; secretory granule membrane; plasma membrane; phagocytic vesicle; endosome Molecular Function: GTPase activity; protein binding; GDP binding; GTP binding; TPR domain binding; receptor binding Biological Process: regulation of exocytosis; antigen processing and presentation; synaptic vesicle exocytosis; Golgi vesicle fusion to target membrane; cellular response to insulin stimulus; metabolic process; positive regulation of cell projection organization and biogenesis; protein secretion; cilium biogenesis; protein import into peroxisome membrane; Rab protein signal transduction; vesicle docking during exocytosis; positive regulation of adrenocorticotropic hormone secretion
Research Articles on RAB8B	**1.** Rab8A GTPase Ser(111) phosphorylation is not directly regulated by PINK1 in vitro and demonstrate in cells the time course of Ser(111) phosphorylation of Rab8A, 8B and 13 is markedly delayed compared to phosphorylation of Parkin at Ser(65).
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