RAB3B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RAB3B, Polyclonal Antibody
Full Product Name	RAB3B, CT (RAB3B, Ras-related protein Rab-3B) (MaxLight 490)
Product Gene Name	anti-RAB3B antibody
Product Synonym Names	RAB3B; Ras-related protein Rab-3B
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
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.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	24,758 Da
OMIM	179510
3D Structure	ModBase 3D Structure for P20337
Immunogen	RAB3B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-196 amino acids from the C-terminal region of human RAB3B.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-RAB3B antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-RAB3B antibody	Western Blot (WB), FLISA
Application Notes for anti-RAB3B antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-RAB3B antibody	Protein transport. It probably is involved in vesicular traffic (By similarity).
Product References and Citations for anti-RAB3B antibody	Piper Hanley, K., et al. J. Endocrinol. 207(2):151-161(2010). Chung, C.Y., et al. Proc. Natl. Acad. Sci. U.S.A. 106(52):22474-22479(2009). Zou, L., et al. Proc. Natl. Acad. Sci. U.S.A. 106(37):15801-15806(2009). Rotondo, F., et al. Appl. Immunohistochem. Mol. Morphol. 17(3):185-188(2009). Lamesch, P., et al. Genomics 89(3):307-315(2007).
Other Notes	Small volumes of anti-RAB3B 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 RAB3B purchase	MBS6339773 is an antibody targeting RAB3B. Also known as RAB3B, CT (RAB3B, Ras-related protein Rab-3B) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAB3B. It may not necessarily be applicable to this product.

NCBI GI #	19923750
NCBI GeneID	5865
NCBI Accession #	NP_002858.2
UniProt Primary Accession #	P20337
UniProt Secondary Accession #	Q5VUL2; Q9BSI1
UniProt Related Accession #	P20337
GenBank Nucleotide #	NM_002867.3
NCBI Official Full Name	ras-related protein Rab-3B
NCBI Official Synonym Full Names	RAB3B, member RAS oncogene family
NCBI Official Symbol	RAB3B
UniProt Protein Name	Ras-related protein Rab-3B
Protein Family	Ras-related protein
UniProt Gene Name	RAB3B
UniProt Entry Name	RAB3B_HUMAN
NCBI Protein Information	ras-related protein Rab-3B; brain antigen RAB3B
UniProt Comments for RAB3B	RAB3B: Protein transport. Probably involved in vesicular traffic. Belongs to the small GTPase superfamily. Rab family. Protein type: G protein, monomeric, Rab; G protein, monomeric; G protein Chromosomal Location of Human Ortholog: 1p32-p31 Cellular Component: synaptic vesicle; secretory granule membrane; perinuclear region of cytoplasm; cytoplasm; plasma membrane; cytosol; endosome; vesicle Molecular Function: GTPase activity; protein binding; GDP binding; GTP binding; myosin V binding Biological Process: regulation of exocytosis; antigen processing and presentation; intracellular protein transport; synaptic vesicle exocytosis; positive regulation of dopamine uptake; protein secretion; peptidyl-cysteine methylation; Rab protein signal transduction; vesicle docking during exocytosis
Research Articles on RAB3B	**1.** The structure of Rab3B:GDP complex was solved to 1.9A resolution and the structural base comparison with other Rab3 members provides a structural basis for the GDP/GTP switch in controlling the activity of small GTPase.
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