RAB3IL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RAB3IL1, Polyclonal Antibody
Full Product Name	RAB3IL1, CT (RAB3IL1, Guanine nucleotide exchange factor for Rab-3A, Rab-3A-interacting-like protein 1, Rabin3-like 1) (MaxLight 750)
Product Gene Name	anti-RAB3IL1 antibody
Product Synonym Names	RAB3IL1; Guanine nucleotide exchange factor for Rab-3A; Rab-3A-interacting-like protein 1; Rabin3-like 1
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 MaxLight750.
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: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
3D Structure	ModBase 3D Structure for Q8TBN0
Immunogen	RAB3IL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 297-325 amino acids from the C-terminal region of human RAB3IL1.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-RAB3IL1 antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-RAB3IL1 antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-RAB3IL1 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-RAB3IL1 antibody	Guanine nucleotide exchange factor (GEF) for Rab3A, a GTPase that regulates synaptic vesicle exocytosis (By similarity).
Product References and Citations for anti-RAB3IL1 antibody	Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009). Luo, H.R., et al. Neuron 31(3):439-451(2001).
Other Notes	Small volumes of anti-RAB3IL1 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 RAB3IL1 purchase	MBS6339798 is an antibody targeting RAB3IL1. Also known as RAB3IL1, CT (RAB3IL1, Guanine nucleotide exchange factor for Rab-3A, Rab-3A-interacting-like protein 1, Rabin3-like 1) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAB3IL1. It may not necessarily be applicable to this product.

NCBI GI #	21361440
NCBI GeneID	5866
NCBI Accession #	NP_037533.2
UniProt Primary Accession #	Q8TBN0
UniProt Related Accession #	Q8TBN0
GenBank Nucleotide #	NP_037533.2
NCBI Official Full Name	guanine nucleotide exchange factor for Rab-3A isoform 1
NCBI Official Synonym Full Names	RAB3A interacting protein like 1
NCBI Official Symbol	RAB3IL1
NCBI Official Synonym Symbols	GRAB
UniProt Protein Name	Guanine nucleotide exchange factor for Rab-3A
UniProt Synonym Protein Names	Rab-3A-interacting-like protein 1; Rab3A-interacting-like protein 1; Rabin3-like 1
Protein Family	Guanine nucleotide exchange factor
UniProt Gene Name	RAB3IL1
UniProt Synonym Gene Names	Rab3A-interacting-like protein 1
UniProt Entry Name	R3GEF_HUMAN
NCBI Protein Information	guanine nucleotide exchange factor for Rab-3A
NCBI Summary for RAB3IL1	This gene encodes a guanine nucleotide exchange factor for the ras-related protein Rab3A. The encoded protein binds Rab3a and the inositol hexakisphosphate kinase InsP6K1. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 7. [provided by RefSeq, Nov 2012]
UniProt Comments for RAB3IL1	RAB3IL1: Guanine nucleotide exchange factor (GEF) for Rab3A, a GTPase that regulates synaptic vesicle exocytosis. Belongs to the SEC2 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: GEFs; GEFs, Rab Chromosomal Location of Human Ortholog: 11q12.2 Molecular Function: protein binding; Rab guanyl-nucleotide exchange factor activity
Research Articles on RAB3IL1	**1.** Rab27/Rabphilin3a/GRAB/Rab3 constitutes a signaling module in sperm exocytosis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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