RAB 7L1 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	Rab 7L1, Polyclonal Antibody
Full Product Name	Rab 7L1 Polyclonal Antibody
Product Gene Name	anti-Rab 7L1 antibody
Clonality	Polyclonal
Molecular Weight	14,964 Da
OMIM	603949
3D Structure	ModBase 3D Structure for O14966
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-Rab 7L1 antibody	MBS8524920 is an antibody targeting Rab 7L1. Also known as Rab 7L1 Polyclonal Antibody.
Other Notes	Small volumes of anti-Rab 7L1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Rab 7L1. It may not necessarily be applicable to this product.

NCBI GI #	208609962
NCBI GeneID	8934
NCBI Accession #	NP_001129134.1
UniProt Primary Accession #	O14966
UniProt Secondary Accession #	B4E1K3; C9JE77
UniProt Related Accession #	O14966
GenBank Nucleotide #	NM_001135662.1
NCBI Official Full Name	ras-related protein Rab-7L1 isoform 1
NCBI Official Synonym Full Names	RAB29, member RAS oncogene family
NCBI Official Symbol	RAB29
NCBI Official Synonym Symbols	RAB7L; RAB7L1
UniProt Protein Name	Ras-related protein Rab-7L1
UniProt Synonym Protein Names	Rab-7-like protein 1; Ras-related protein Rab-29
Protein Family	Ras-related protein
UniProt Gene Name	RAB29
UniProt Synonym Gene Names	RAB7L1
NCBI Protein Information	ras-related protein Rab-7L1

UniProt Comments for Rab 7L1	Rab GTPase key regulator in vesicle trafficking. Essential for maintaining the integrity of the endosome-trans-Golgi network structure. Together with LRRK2, plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner. Regulates neuronal process morphology in the intact central nervous system (CNS). May play a role in the formation of typhoid toxin transport intermediates during Salmonella enterica serovar Typhi (S.Typhi) epithelial cell infection.
Research Articles on Rab 7L1	**1.** Mutations in leucine-rich repeat kinase 2 (LRRK2) are the major genetic cause of autosomal-dominantly inherited Parkinson's disease. LRRK2 is implicated in the regulation of intracellular trafficking, neurite outgrowth and PD risk in connection with Rab7L1, a putative interactor of LRRK2. The modulation of Ser72 phosphorylation in Rab7L1 resulted in an alteration of the trans-Golgi network.
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