Rab9p40 Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	Rab9p40 (RABEPK), Blocking Peptide
Full Product Name	Rab9p40 Antibody (C-term) Blocking Peptide
Product Gene Name	RABEPK blocking peptide
Product Synonym Gene Name	RAB9P40
Product Synonym Names	Rab9 effector protein with kelch motifs; 40 kDa Rab9 effector protein; p40; RABEPK; RAB9P40
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	Rab9p40 peptide (MBS9224249) is used for blocking the activity of Rab9p40 antibody (MBS9208253)
Molecular Weight	34,841 Da
OMIM	605962
Cellular Location	Cytoplasm. Endosome membrane. Note: Interaction with PIP5K3 and subsequent phosphorylation recruits it to the endosomal membrane
Related Product Information for RABEPK blocking peptide	MBS9224249 is a blocking peptide targeting RABEPK. Also known as Rab9p40 Antibody (C-term) Blocking Peptide. Rab9 effector required for endosome to trans-Golgi network (TGN) transport.
Other Notes	Small volumes of RABEPK blocking peptide 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 RABEPK. It may not necessarily be applicable to this product.

NCBI GI #	74750172
NCBI GeneID	10244
NCBI Accession #	Q7Z6M1.1
UniProt Primary Accession #	Q7Z6M1
UniProt Secondary Accession #	O00568; Q69YR2; Q6FHA4; Q6IBG7; Q6P092; Q86Y76; Q9BWB1; A8K403
UniProt Related Accession #	Q7Z6M1
NCBI Official Full Name	Rab9 effector protein with kelch motifs
NCBI Official Synonym Full Names	Rab9 effector protein with kelch motifs
NCBI Official Symbol	RABEPK
NCBI Official Synonym Symbols	p40; RAB9P40; bA65N13.1
UniProt Protein Name	Rab9 effector protein with kelch motifs
UniProt Synonym Protein Names	40 kDa Rab9 effector protein; p40
Protein Family	Rab9 effector protein with kelch motifs

UniProt Gene Name	RABEPK
UniProt Synonym Gene Names	RAB9P40
UniProt Entry Name	RABEK_HUMAN
NCBI Protein Information	rab9 effector protein with kelch motifs
UniProt Comments for RABEPK	RABEPK: Rab9 effector required for endosome to trans-Golgi network (TGN) transport. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 9q33.3 Cellular Component: cytosol; endosome; intracellular membrane-bound organelle; plasma membrane; trans-Golgi network membrane; transport vesicle Biological Process: receptor-mediated endocytosis; vesicle docking during exocytosis
Research Articles on RABEPK	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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