GNB2L1 Peptide-Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	GNB2L1, Blocking Peptide
Full Product Name	GNB2L1 Peptide-middle region
Product Gene Name	GNB2L1 blocking peptide
Product Synonym Names	p205; Gnb2l1; GB-like; AL033335; Gnb2-rs1
Sequence	GSWDGTLRLW DLTTGTTTRR FVGHTKDVLS VAFSSDNRQI VSGSRDKTIK
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	GNB2L1 peptide (MBS3249450) is used for blocking the activity of GNB2L1 antibody (MBS3249776)
Molecular Weight	34kDa
Quality Control	The peptide is characterized by mass spectroscopy
Protein Size	317 amino acids
Related Product Information for GNB2L1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-GNB2L1 Antibody. It may block above mentioned antibody from binding to its target protein in western blot and/or immunohistochecmistry under proper experimental settings. Description of Target: Scaffolding protein involved in the recruitment, assembly and/or regulation of a variety of signaling molecules. Interacts with a wide variety of proteins and plays a role in many cellular processes. Component of the 40S ribosomal subunit involved in translational repression. Involved in the initiation of the ribosome quality control (RQC), a pathway that takes place when a ribosome has stalled during translation, by promoting ubiquitination of a subset of 40S ribosomal subunits (By similarity). Binds to and stabilizes activated protein kinase C (PKC), increasing PKC-mediated phosphorylation. May recruit activated PKC to the ribosome, leading to phosphorylation of EIF6. Inhibits the activity of SRC kinases including SRC, LCK and YES1. Inhibits cell growth by prolonging the G0/G1 phase of the cell cycle. Enhances phosphorylation of BMAL1 by PRKCA and inhibits transcriptional activity of the BMAL1-CLOCK heterodimer. Facilitates ligand-independent nuclear translocation of AR following PKC activation, represses AR transactivation activity and is required for phosphorylation of AR by SRC. Modulates IGF1R-dependent integrin signaling and promotes cell spreading and contact with the extracellular matrix. Involved in PKC-dependent translocation of ADAM12 to the cell membrane. Promotes the ubiquitination and proteasome-mediated degradation of proteins such as CLEC1B and HIF1A. Required for VANGL2 membrane localization, inhibits Wnt signaling, and regulates cellular polarization and oriented cell division during gastrulation. Required for PTK2/FAK1 phosphorylation and dephosphorylation. Regulates internalization of the muscarinic receptor CHRM2. Promotes apoptosis by increasing oligomerization of BAX and disrupting the interaction of BAX with the anti-apoptotic factor BCL2L. Inhibits TRPM6 channel activity. Regulates cell surface expression of some GPCRs such as TBXA2R. Plays a role in regulation of FLT1-mediated cell migration. Involved in the transport of ABCB4 from the Golgi to the apical bile canalicular membrane (By similarity).
Other Notes	Small volumes of GNB2L1 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.
Searchable Terms for GNB2L1 purchase	MBS3249450 is a blocking peptide targeting GNB2L1. Also known as GNB2L1 Peptide-middle region. Reactive in Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GNB2L1. It may not necessarily be applicable to this product.

NCBI GeneID	14694
NCBI Accession #	NM_008143.3
UniProt Primary Accession #	P68040
UniProt Related Accession #	NP_032169.1
UniProt Protein Name	Guanine nucleotide-binding protein subunit beta-2-like 1
UniProt Synonym Protein Names	12-3; Receptor for activated C kinase; Receptor of activated protein kinase C 1; RACK1; p205
UniProt Gene Name	Gnb2l1
UniProt Synonym Gene Names	Gnb2-rs1; RACK1
UniProt Entry Name	GBLP_MOUSE
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