PDE8B Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	PDE8B, Blocking Peptide
Full Product Name	PDE8B Peptide - middle region
Product Gene Name	PDE8B blocking peptide
Product Synonym Gene Name	ADSD; PPNAD3
Sequence	Synthetic peptide located within the following region: GQGGKIRHFV SLKKLCCTTD NNKQIHKIHR DSGDNSQTEP HSFRYKNRRK
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	PDE8B peptide (MBS3244667) is used for blocking the activity of PDE8B antibody (MBS3219805)
Molecular Weight	64 kDa
Product Categories/Family for PDE8B blocking peptide	Peptide
Applications Tested/Suitable for PDE8B blocking peptide	Western Blot (WB)
Related Product Information for PDE8B blocking peptide	This is a synthetic peptide designed for use in combination with anti-PDE8B Antibody, made Target Description: The protein encoded by this gene is a cyclic nucleotide phosphodiesterase (PDE) that catalyzes the hydrolysis of the second messenger cAMP. The encoded protein, which does not hydrolyze cGMP, is resistant to several PDE inhibitors. Defects in this gene are a cause of autosomal dominant striatal degeneration (ADSD). Several transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of PDE8B 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 PDE8B purchase	MBS3244667 is a blocking peptide targeting PDE8B. Also known as PDE8B Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDE8B. It may not necessarily be applicable to this product.

NCBI GI #	71164867
NCBI GeneID	8622
NCBI Accession #	NP_001025022.1
UniProt Primary Accession #	B3KN77
UniProt Related Accession #	O95263
GenBank Nucleotide #	NM_001029851.2
NCBI Official Full Name	high affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8B isoform 3

NCBI Official Synonym Full Names	phosphodiesterase 8B
NCBI Official Symbol	PDE8B
NCBI Official Synonym Symbols	ADSD; PPNAD3
Protein Family	High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase
NCBI Protein Information	high affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8B
NCBI Summary for PDE8B	The protein encoded by this gene is a cyclic nucleotide phosphodiesterase (PDE) that catalyzes the hydrolysis of the second messenger cAMP. The encoded protein, which does not hydrolyze cGMP, is resistant to several PDE inhibitors. Defects in this gene are a cause of autosomal dominant striatal degeneration (ADSD). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010]
Research Articles on PDE8B	**1.** Single-nucleotide polymorphism in PDE8B gene is associated with Hashimoto's thyroiditis.
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