

PDE7B mouse monoclonal antibody (hybridoma)

Catalog # H00027115-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PDE7B.
Immunogen	PDE7B (NP_061818.1, 1 a.a. ~ 450 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSCLMVERCGEILFENPDQNAKCVCMLGDIRLRGQTGVRAERRGSYPFIDFRLNSTTYSGEIGTK KKVKRLLSFQRYFHASRLLRGIIIPQAPLHLLDEDYLGQARHMLSKVGMWDFDIFLFDRLTNGNSLV TLLCHLFNTHGLIHHFKLDMVTLHRFLVMVQEDYHSQNPYHNAVHAADVQAMHCYLKEPKLASF LTPLDIMLGLLAAAAHDVDHPGVNQPFLLIKTNHHLANLYQNMSVLENHHWRSTIGMLRESRLLAHL PKEMTQDIEQQLGSLILATDINRQNEFLTRLKAHLHNKDLRLEDAQDRHFMLQALKCADICNPCRI WEMSKQWSERVCEEFYRQGELEQKFELEISPLCNQQKDSIPSIQIGFMSYVEPLFREWAHFTGN STLSENMLGHLAHNKAQWKSLLPRQHRSRGSSGSGPDHDHAGQGTESEEQEGDSP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (90)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PDE7B

Entrez GeneID [27115](#)

GeneBank Accession# [NM_018945.3](#)

Protein Accession# [NP_061818.1](#)

Gene Name PDE7B

Gene Alias MGC88256, bA472E5.1

Gene Description phosphodiesterase 7B

Omim ID [604645](#)

Gene Ontology [Hyperlink](#)

Gene Summary The 3',5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety of signal transduction pathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 5'-monophosphates and provide a mechanism to downregulate cAMP and cGMP signaling. This gene encodes a cAMP-specific phosphodiesterase, a member of the cyclic nucleotide phosphodiesterase family

Other Designations OTTHUMP00000017267|high-affinity cAMP-specific 3',5'-cyclic phosphodiesterase|rolipram-insensitive phosphodiesterase type 7

Pathway

- [Purine metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)