

PDE7B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10675b**Specification**

PDE7B Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q9NP56](#)

PDE7B Antibody (C-term) Blocking peptide - Additional Information

Gene ID 27115

Other Names

cAMP-specific 3', 5'-cyclic phosphodiesterase 7B, PDE7B

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PDE7B Antibody (C-term) Blocking peptide - Protein Information

Name PDE7B {ECO:0000303|PubMed:10814504}

Function

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes (PubMed:10814504, PubMed:10872825). May be involved in the control of cAMP-mediated neural activity and cAMP metabolism in the brain (PubMed:10814504).

Tissue Location

Highly expressed in brain (PubMed:10814504). Also expressed in heart, liver, skeletal muscle and pancreas (PubMed:10814504).

PDE7B Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PDE7B Antibody (C-term) Blocking peptide - Images**PDE7B Antibody (C-term) Blocking peptide - Background**

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.

PDE7B Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Kestenbaum, B., et al. J. Am. Soc. Nephrol. 21(7):1223-1232(2010) Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010) Ikeda, M., et al. Biol. Psychiatry 67(3):263-269(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)