



## PDE7B Antibody (C-term) Blocking peptide

Synthetic peptide Catalog # BP10675b

## **Specification**

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

Primary Accession <a href="Q9NP56">Q9NP56</a>

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

## **Function**

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

#### **Tissue Location**

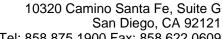
Highly expressed in brain. Also expressed in heart, liver, skeletal muscle and pancreas

# PDE7B Antibody (C-term) Blocking peptide - Background

The 3',5'-cyclic nucleotides cAMP and cGMP function assecond messengers in a wide variety of signal transductionpathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs)catalyze the hydrolysis of cAMP and cGMP to the corresponding5'-monophosphates and provide a mechanism to downregulate cAMP andcGMP signaling. This gene encodes a cAMP-specificphosphodiesterase, a member of the cyclic nucleotidephosphodiesterase 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)





Tel: 858.875.1900 Fax: 858.622.0609

## PDE7B Antibody (C-term) Blocking peptide - Protocols

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

• Blocking Peptides