

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

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 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)

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

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

- [Blocking Peptides](#)