

PDE7A Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17110a**Specification**

PDE7A Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q13946](#)**PDE7A Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 5150**Other Names**

High affinity cAMP-specific 3', 5'-cyclic phosphodiesterase 7A, HCP1, TM22, PDE7A

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.

PDE7A Antibody (N-term) Blocking Peptide - Protein Information**Name** PDE7A {ECO:0000303|PubMed:9195912, ECO:0000312|HGNC:HGNC:8791}**Function**

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes (PubMed:8389765, PubMed:9195912, PubMed:19350606). May have a role in muscle signal transduction (PubMed:9195912).

Cellular Location

[Isoform PDE7A1]: Cytoplasm, cytosol. Note=PDE7A1 (57 kDa) is located mostly to soluble cellular fractions.

Tissue Location

[Isoform PDE7A1]: Found at high levels in skeletal muscle and at low levels in a variety of tissues including brain and heart (PubMed:9195912). It is expressed as well in two T-cell lines (PubMed:9195912).

PDE7A Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PDE7A Antibody (N-term) Blocking Peptide - Images**PDE7A Antibody (N-term) Blocking Peptide - Background**

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PDE7A Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Pekkinen, M., et al. Bone 43(1):84-91(2008)Wang, H., et al. J. Biol. Chem. 280(35):30949-30955(2005)