

PDE3B Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12018c

Specification

PDE3B Antibody (Center) Blocking peptide - Product Information

Primary Accession [Q13370](#)

PDE3B Antibody (Center) Blocking peptide - Additional Information

Gene ID 5140

Other Names

cGMP-inhibited 3', 5'-cyclic phosphodiesterase B, CGIPDE1, CGIP1, Cyclic GMP-inhibited phosphodiesterase B, CGI-PDE B, PDE3B

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.

PDE3B Antibody (Center) Blocking peptide - Protein Information

Name PDE3B ([HGNC:8779](#))

Function

Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological process (PubMed:14592490, PubMed:21393242). Regulates angiogenesis by inhibiting the cAMP- dependent guanine nucleotide exchange factor RAPGEF3 and downstream phosphatidylinositol 3-kinase gamma-mediated signaling (PubMed:21393242). Controls cardiac contractility by reducing cAMP concentration in cardiocytes (By similarity).

Cellular Location

Membrane {ECO:0000250|UniProtKB:Q61409}; Multi- pass membrane protein

Tissue Location

Abundant in adipose tissues.

PDE3B Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PDE3B Antibody (Center) Blocking peptide - Images**PDE3B Antibody (Center) Blocking peptide - Background**

Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes; PDE3B may play a role in fat metabolism.

PDE3B Antibody (Center) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Yamano, Y., et al. Int. J. Cancer 126(2):437-449(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Hanson, M.S., et al. Am. J. Physiol. Heart Circ. Physiol. 295 (2), H786-H793 (2008) :Raymond, D.R., et al. Cell. Signal. 19(12):2507-2518(2007)