

PRKAR1B Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17198a

Specification

PRKAR1B Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P31321](#)

PRKAR1B Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 5575

Other Names

cAMP-dependent protein kinase type I-beta regulatory subunit, PRKAR1B

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.

PRKAR1B Antibody (N-term) Blocking Peptide - Protein Information

Name PRKAR1B

Function

Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells.

Cellular Location

Cell membrane.

Tissue Location

Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible

PRKAR1B Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PRKAR1B Antibody (N-term) Blocking Peptide - Images

PRKAR1B Antibody (N-term) Blocking Peptide - Background

Cyclic AMP-dependent protein kinase A (PKA) is an essential enzyme in the signaling pathway of the second messenger cAMP. Through phosphorylation of target proteins, PKA controls many biochemical events in the cell including regulation of metabolism, ion transport, and gene transcription. The PKA holoenzyme is composed of 2 regulatory and 2 catalytic subunits and dissociates from the regulatory subunits upon binding of cAMP. [supplied by OMIM].

PRKAR1B Antibody (N-term) Blocking Peptide - References

Silva, L.K., et al. Eur. J. Hum. Genet. (2010) In press : Liu, Y.J., et al. Obesity (Silver Spring) (2010) In press : Zhan, X., et al. Anal. Biochem. 354(2):279-289(2006) Gullingsrud, J., et al. Structure 14(1):141-149(2006) Zhang, L., et al. Mol. Cell. Biol. 24(5):2169-2180(2004)