10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PDE4C Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP18545a

Specification

PDE4C Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q08493

PDE4C Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 5143

Other Names
cAMP-specific 3', 5'-cyclic phosphodiesterase 4C, DPDE1, PDE21, PDE4C, DPDE1

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.

PDE4C Antibody (N-term) Blocking Peptide - Protein Information

Name PDE4C (HGNC:8782)

Synonyms DPDE1

Function
Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.

Cellular Location
Cell projection, cilium {ECO:0000250|UniProtKB:Q3UEI1}

Tissue Location
Expressed in various tissues but not in cells of the immune system.

PDE4C Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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PDE4C Antibody (N-term) Blocking Peptide - Images

PDE4C Antibody (N-term) Blocking Peptide - Background

Cyclic nucleotides are important second messengers thatregulate and mediate a number of cellular responses toextracellular signals, such as hormones, light, andneurotransmitters. Cyclic nucleotide phosphodiesterases (PDEs)regulate the cellular concentrations of cyclic nucleotides andthereby play a role in signal transduction. PDE4C is a class IVcAMP-specific PDE (summary by Milatovich et al., 1994 [PubMed8009369]).

PDE4C Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Davila, S., et al. Genes Immun. 11(3):232-238(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Sullivan, M., et al. Cell. Signal. 11(10):735-742(1999)