

PDE4B Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11684c**Specification**

PDE4B Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q07343](#)**PDE4B Antibody (Center) Blocking peptide - Additional Information****Gene ID** 5142**Other Names**

cAMP-specific 3', 5'-cyclic phosphodiesterase 4B, DPDE4, PDE32, PDE4B, DPDE4

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.

PDE4B Antibody (Center) Blocking peptide - Protein Information**Name** PDE4B ([HGNC:8781](#))**Synonyms** DPDE4**Function**

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes (PubMed:15260978). May be involved in mediating central nervous system effects of therapeutic agents ranging from antidepressants to antiasthmatic and anti-inflammatory agents.

Cellular Location

[Isoform PDE4B5]: Cytoplasm. Cell membrane

Tissue Location

Expressed in brain, heart, lung and skeletal muscle (PubMed:17519386). Expressed in white blood cells (PubMed:8392015)

PDE4B Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PDE4B Antibody (Center) Blocking peptide - Images

PDE4B Antibody (Center) Blocking peptide - Background

This gene was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). It is a human homolog of the E. coli DNA mismatch repair gene mutL, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described, but their full-length natures have not been determined.

PDE4B Antibody (Center) Blocking peptide - References

Ling, Z.Q., et al. Cancer Lett. 297(2):244-251(2010) Qi, Y., et al. J. Biol. Chem. 285(43):33010-33017(2010) Borrás, E., et al. Cancer Res. 70(19):7379-7391(2010) Mangoni, M., et al. Int. J. Radiat. Oncol. Biol. Phys. (2010) In press : Ho-Pun-Cheung, A., et al. Pharmacogenomics J. (2010) In press :