

PDE4B/C/D Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51417

Specification

PDE4B/C/D Antibody - Product Information

Application	WB
Primary Accession	Q07343
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80 KDa
Antigen Region	11 - 70

PDE4B/C/D Antibody - Additional Information

Gene ID 5142

Other Names

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

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PDE4B/C/D. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

PDE4B/C/D Antibody - 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: <http://www.uniprot.org/citations/15260978> target="_blank">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

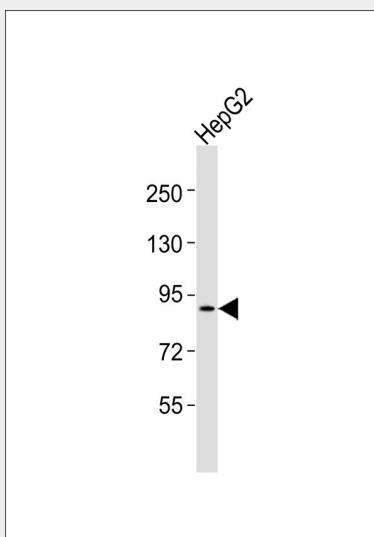
Tissue Location

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

PDE4B/C/D Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PDE4B/C/D Antibody - Images

Anti-PDE4B/C/D Antibody at 1:1000 dilution + HepG2 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa. Blocking/Dilution buffer: 5% NFDm/TBST.

PDE4B/C/D Antibody - Background

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

PDE4B/C/D Antibody - References

- Oberholte R., et al. Gene 129:239-247(1993).
Bolger G., et al. Mol. Cell. Biol. 13:6558-6571(1993).
Huston E., et al. Biochem. J. 328:549-558(1997).
McLaughlin M.M., et al. J. Biol. Chem. 268:6470-6476(1993).
Cheung Y.F., et al. J. Pharmacol. Exp. Ther. 322:600-609(2007).