

PDE4B Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2234a

Specification

PDE4B Antibody (C-Term) - Product Information

Application	WB
Primary Accession	Q07343
Other Accession	NP_002591.2 , NP_001032416.1 , NP_001032417.1 , 5142 , 18578 (mouse)
Reactivity	Human
Predicted	Mouse
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	83343

PDE4B Antibody (C-Term) - Additional Information

Gene ID 5142

Other Names

cAMP-specific 3', 5'-cyclic phosphodiesterase 4B, 3.1.4.53, DPDE4, PDE32, PDE4B, DPDE4

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PDE4B Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

PDE4B Antibody (C-Term) - 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 (C-Term) - 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 Antibody (C-Term) - Images

AF2234a 2 µg/ml) staining of Human Uterus lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

PDE4B Antibody (C-Term) - Background

This antibody is expected to recognize all reported isoforms (NP_002591.2; NP_001032416.1; NP_001032417.1).

PDE4B Antibody (C-Term) - References

Gene set enrichment analysis unveils the mechanism for the phosphodiesterase 4B control of glucocorticoid response in B-cell lymphoma. Kim SW, Rai D, Aguiar RC. Clin Cancer Res. 2011 Nov 1;17(21):6723-32. PMID: 21742807