

PDE4C Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18545a

Product Information

Application	WB, E
Primary Accession	Q08493
Other Accession	NP_000914.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38609
Calculated MW	79902
Antigen Region	5-31

Additional Information

Gene ID	5143
Other Names	cAMP-specific 3', 5'-cyclic phosphodiesterase 4C, DPDE1, PDE21, PDE4C, DPDE1
Target/Specificity	This PDE4C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 5-31 amino acids from the N-terminal region of human PDE4C.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PDE4C Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

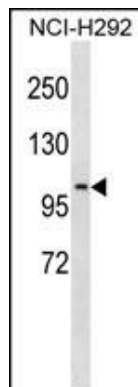
Background

Cyclic nucleotides are important second messengers that regulate and mediate a number of cellular responses to extracellular signals, such as hormones, light, and neurotransmitters. Cyclic nucleotide phosphodiesterases (PDEs) regulate the cellular concentrations of cyclic nucleotides and thereby play a role in signal transduction. PDE4C is a class IV cAMP-specific PDE (summary by Milatovich et al., 1994 [PubMed 8009369]).

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)

Images



PDE4C Antibody (N-term) (Cat. #AP18545a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PDE4C antibody detected the PDE4C protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.