

PDE4B polyclonal antibody

Catalog # PAB12353

Size 50 uL

Specification

Product Description	Rabbit polyclonal antibody raised against PDE4B.
Immunogen	C terminal region of human PDE4B.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody selectively detects proteins corresponding to members of the PDE4B sub-family.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Western Blot (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In serum
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

Gene Info — PDE4B

Entrez GeneID	5142
Gene Name	PDE4B
Gene Alias	DKFZp686F2182, DPDE4, MGC126529, PDE4B5, PDE4B
Gene Description	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)
Omim ID	600127
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the type IV, cyclic AMP (cAMP)-specific, cyclic nucleotide phosphodiesterase (PDE) family. Cyclic nucleotides are important second messengers that regulate and mediate a number of cellular responses to extracellular signals, such as hormones, light, and neurotransmitters. The cyclic nucleotide phosphodiesterases (PDEs) regulate the cellular concentrations of cyclic nucleotides and thereby play a role in signal transduction. This gene encodes a protein that specifically hydrolyzes cAMP. Altered activity of this protein has been associated with schizophrenia and bipolar affective disorder. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]
Other Designations	OTTHUMP00000010652 OTTHUMP00000010656 OTTHUMP00000046896 cAMP-specific 3',5'-cyclic phosphodiesterase 4B cAMP-specific phosphodiesterase-4 B isoform dunce-like phosphodiesterase E4 phosphodiesterase 4B, cAMP-specific phosphodiesterase 4B, cAMP-specific (d

Pathway

- [Purine metabolism](#)

Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Dyskinesia](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Neuropsychological Tests](#)
- [Postmortem Changes](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)