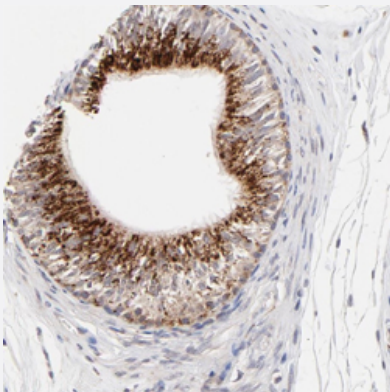


PDE4B polyclonal antibody

Catalog # PAB29528 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human epididymis with PDE4B polyclonal antibody (Cat # PAB29528) shows strong cytoplasmic positivity with granular pattern in glandular cells at 1:50-1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human PDE4B.
Immunogen	Recombinant protein corresponding to human PDE4B.
Sequence	SGNQVSEYISNTFLDKQNDVEIPSTQKDREKKKKQQLMTQISGVKKLMHSSSLNNTSISRFGVNT ENEDHLAKELEDLNKWGLNIFNVAGYSHNRPLTCIMYAIFQERDLLKTFRISSDTFITYMMT
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — PDE4B

Entrez GeneID[5142](#)**Gene Name**

PDE4B

Gene Alias

DKFZp686F2182, DPDE4, MGC126529, PDE4B5, PDEIVB

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](#)