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PDE7B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10675b

Specification

PDE7B Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NP56
Other Accession	NP_061818.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**51835**
Antigen Region	**421-450**

PDE7B Antibody (C-term) - Additional Information

Gene ID 27115

Other Names
cAMP-specific 3', 5'-cyclic phosphodiesterase 7B, PDE7B

Target/Specificity
This PDE7B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 421-450 amino acids from the C-terminal region of human PDE7B.

Dilution
WB~~1:1000

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
PDE7B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PDE7B Antibody (C-term) - Protein Information

Name PDE7B {ECO:0000303|PubMed:10814504}

Function Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes (PubMed:10814504, PubMed:10872825). May be involved in the control of

cAMP-mediated neural activity and cAMP metabolism in the brain (PubMed:10814504).

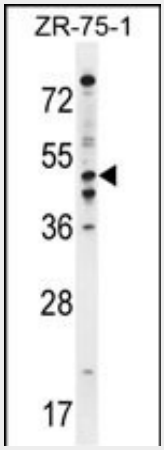
Tissue Location
Highly expressed in brain (PubMed:10814504). Also expressed in heart, liver, skeletal muscle and pancreas (PubMed:10814504).

PDE7B 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 Cytomety
- Cell Culture

PDE7B Antibody (C-term) - Images



PDE7B Antibody (C-term) (Cat. #AP10675b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the PDE7B antibody detected the PDE7B protein (arrow).

PDE7B Antibody (C-term) - Background

The 3',5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety of signal transduction pathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 5'-monophosphates and provide a mechanism to downregulate cAMP and cGMP signaling. This gene encodes a cAMP-specific phosphodiesterase, a member of the cyclic nucleotide phosphodiesterase family.

PDE7B Antibody (C-term) - References

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Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010)

Ikeda, M., et al. Biol. Psychiatry 67(3):263-269(2010)
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