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PDE7B Antibody (Internal)

Rabbit Polyclonal Antibody

Catalog # ALS10151

Specification

PDE7B Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	Q9NP56
Reactivity	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**52kDa KDa**

PDE7B Antibody (Internal) - Additional Information

Gene ID 27115

Other Names
cAMP-specific 3', 5'-cyclic phosphodiesterase 7B, 3.1.4.53, PDE7B

Target/Specificity
Human PDE7B. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
PDE7B Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

PDE7B Antibody (Internal) - 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).

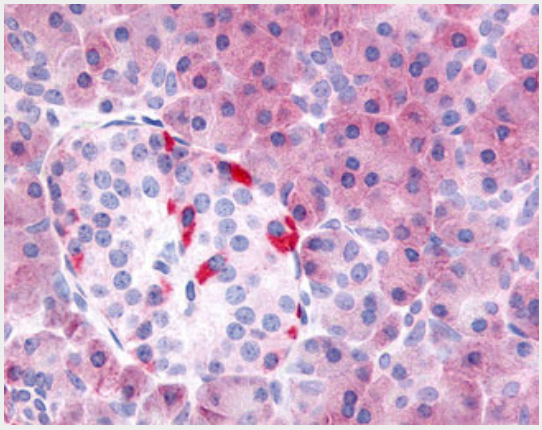
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PDE7B Antibody (Internal) - Protocols

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 (Internal) - Images



Anti-PDE7B antibody ALS10151 IHC of human pancreas.

PDE7B Antibody (Internal) - Background

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in the control of cAMP-mediated neural activity and cAMP metabolism in the brain.

PDE7B Antibody (Internal) - References

Sasaki T.,et al.Biochem. Biophys. Res. Commun. 271:575-583(2000).
Gardner C.E.,et al.Biochem. Biophys. Res. Commun. 272:186-192(2000).
Mungall A.J.,et al.Nature 425:805-811(2003).
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Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).