

PDE7B Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS10151**Specification**

PDE7B Antibody (Internal) - Product Information

Application	IHC-P
Primary Accession	Q9NP56
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52kDa KDa
Dilution	IHC-P~~N/A

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

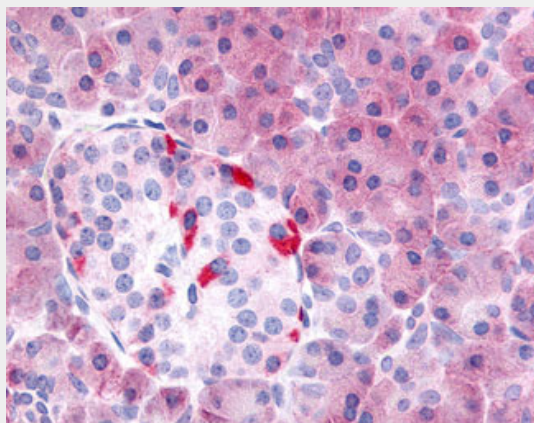
Highly expressed in brain (PubMed:10814504). Also expressed in heart, liver, skeletal muscle and pancreas (PubMed:10814504).

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 Cytometry](#)
- [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).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).