

PDE8A Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10153**Specification**

PDE8A Antibody (N-Terminus) - Product Information

Application	IHC-P
Primary Accession	O60658
Reactivity	Human, Rabbit, Pig, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	93kDa KDa
Dilution	IHC-P~~N/A

PDE8A Antibody (N-Terminus) - Additional Information**Gene ID** 5151**Other Names**

High affinity cAMP-specific and IBMX-insensitive 3', 5'-cyclic phosphodiesterase 8A, 3.1.4.53, PDE8A

Target/Specificity

Human PDE8A. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

PDE8A Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

PDE8A Antibody (N-Terminus) - Protein Information**Name** PDE8A**Function**

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes (PubMed:18983167). May be involved in maintaining basal levels of the cyclic nucleotide and/or in the cAMP regulation of germ cell development (PubMed:18983167). Binding to RAF1 reduces RAF1 'Ser-259' inhibitory- phosphorylation and stimulates RAF1-dependent EGF-activated ERK- signaling (PubMed:23509299). Protects against cell death induced by hydrogen peroxide and staurosporine (PubMed:23509299).

Tissue Location

Expressed in most tissues except thymus and peripheral blood leukocytes. Highest levels in testis, ovary, small intestine and colon

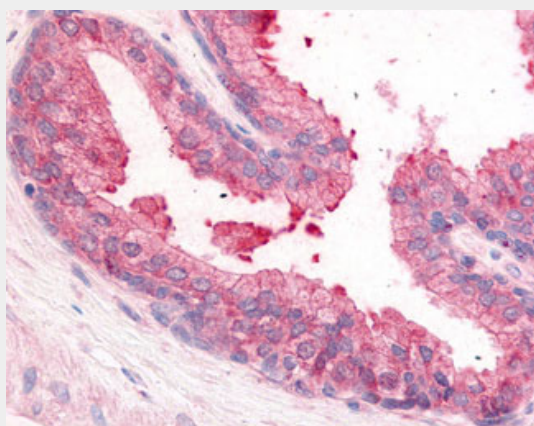
Volume

50 µl

PDE8A Antibody (N-Terminus) - 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](#)

PDE8A Antibody (N-Terminus) - Images

Anti-PDE8A antibody ALS10153 IHC of human prostate.

PDE8A Antibody (N-Terminus) - Background

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in maintaining basal levels of the cyclic nucleotide and/or in the cAMP regulation of germ cell development.

PDE8A Antibody (N-Terminus) - References

Wang P., et al. Gene 280:183-194(2001).
Glavas N.A., et al. Proc. Natl. Acad. Sci. U.S.A. 98:6319-6324(2001).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Zody M.C., et al. Nature 440:671-675(2006).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.