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PDE8A Antibody (N-Terminus)

Rabbit Polyclonal Antibody

Catalog # ALS10153

Specification

PDE8A Antibody (N-Terminus) - Product Information

Application	**IHC**
Primary Accession	O60658
Reactivity	**Human, Rabbit, Pig, Horse, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**93kDa KDa**

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

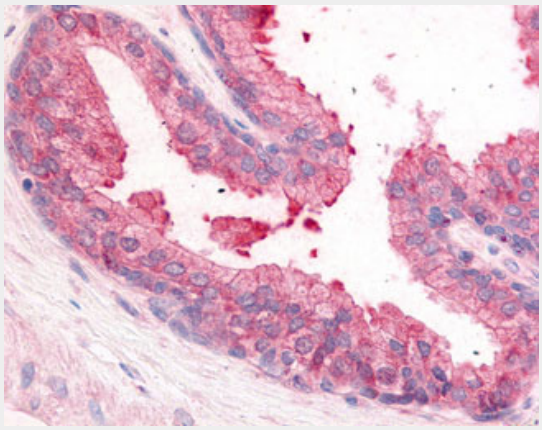
Volume
50 µl

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 Cytomety
- 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.