10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PDE7A Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17110A

Specification

PDE7A Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q13946
Other Accession	O08593, P70453, NP_002594.1, NP_002595.1
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**55505**
Antigen Region	**66-94**

PDE7A Antibody (N-term) - Additional Information

Gene ID 5150

Other Names
High affinity cAMP-specific 3', 5'-cyclic phosphodiesterase 7A, HCP1, TM22, PDE7A

Target/Specificity
This PDE7A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-94 amino acids from the N-terminal region of human PDE7A.

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
PDE7A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PDE7A Antibody (N-term) - Protein Information

Name PDE7A {ECO:0000303|PubMed:9195912, ECO:0000312|HGNC:HGNC:8791}

Function Hydrolyzes the second messenger cAMP, which is a key regulator of many important

physiological processes (PubMed:8389765, PubMed:9195912, PubMed:19350606). May have a role in muscle signal transduction (PubMed:9195912).

Cellular Location
[Isoform PDE7A1]: Cytoplasm, cytosol. Note=PDE7A1 (57 kDa) is located mostly to soluble cellular fractions.

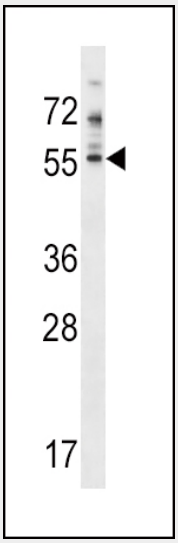
Tissue Location
[Isoform PDE7A1]: Found at high levels in skeletal muscle and at low levels in a variety of tissues including brain and heart (PubMed:9195912). It is expressed as well in two T-cell lines (PubMed:9195912).

PDE7A Antibody (N-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

PDE7A Antibody (N-term) - Images



PDE7A Antibody (N-term) (Cat. #AP17110a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the PDE7A antibody detected the PDE7A protein (arrow).

PDE7A Antibody (N-term) - Background

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May have a role in muscle signal transduction.

PDE7A Antibody (N-term) - References

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Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
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Wang, H., et al. J. Biol. Chem. 280(35):30949-30955(2005)