

PDE6H Antibody(Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19799c

Specification

PDE6H Antibody(Center) - Product Information

Application	WB,E
Primary Accession	Q13956
Other Accession	P09174 , P18545 , P04972 , P61250 , P61249 , P22571 , NP_006196.1
Reactivity	Mouse
Predicted	Bovine, Rat, Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	9074
Antigen Region	4-33

PDE6H Antibody(Center) - Additional Information

Gene ID 5149

Other Names

Retinal cone rhodopsin-sensitive cGMP 3', 5'-cyclic phosphodiesterase subunit gamma, GMP-PDE gamma, PDE6H

Target/Specificity

This PDE6H antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-33 amino acids from the Central region of human PDE6H.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

PDE6H Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PDE6H Antibody(Center) - Protein Information

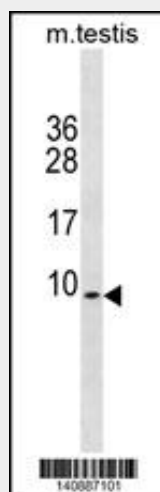
Name PDE6H

Function Participates in processes of transmission and amplification of the visual signal. cGMP-PDEs are the effector molecules in G- protein-mediated phototransduction in vertebrate rods and cones.

PDE6H Antibody(Center) - 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](#)

PDE6H Antibody(Center) - Images

PDE6H Antibody (Center) (Cat. #AP19799c) western blot analysis in mouse testis tissue lysates (35ug/lane). This demonstrates the PDE6H antibody detected the PDE6H protein (arrow).

PDE6H Antibody(Center) - Background

This gene encodes the inhibitory (or gamma) subunit of the cone-specific cGMP phosphodiesterase, which is a tetramer composed of two catalytic chains (alpha and beta), and two inhibitory chains (gamma). It is specifically expressed in the retina, and is involved in the transmission and amplification of the visual signal. Mutations in this gene are associated with retinal cone dystrophy type 3A (RCD3A).

PDE6H Antibody(Center) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Lamesch, P., et al. Genomics 89(3):307-315(2007)

Piri, N., et al. Ophthalmology 112(1):159-166(2005)
Kajimura, N., et al. J. Struct. Biol. 139(1):27-38(2002)
Shimizu-Matsumoto, A., et al. Genomics 32(1):121-124(1996)