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PDE6C Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9728c

Specification

PDE6C Antibody (Center) - Product Information

Application	**IHC-P,E**
Primary Accession	P51160
Other Accession	Q91ZQ1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**271-300**

PDE6C Antibody (Center) - Additional Information

Gene ID 5146

Other Names
Cone cGMP-specific 3', 5'-cyclic phosphodiesterase subunit alpha', cGMP phosphodiesterase 6C, PDE6C, PDEA2

Target/Specificity
This PDE6C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 271-300 amino acids from the Central region of human PDE6C.

Dilution
IHC-P~~1:50~100

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
PDE6C Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PDE6C Antibody (Center) - Protein Information

Name PDE6C

Synonyms PDEA2

Function As cone-specific cGMP phosphodiesterase, it plays an essential role in light detection and cone phototransduction by rapidly decreasing intracellular levels of cGMP.

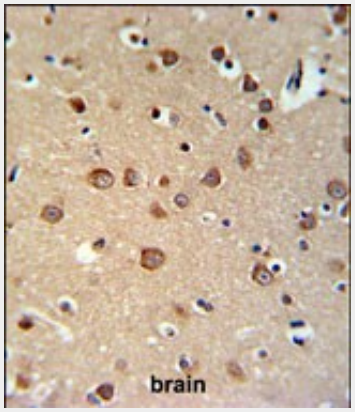
Cellular Location
Cell membrane; Lipid-anchor; Cytoplasmic side

PDE6C 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 Cytomety
- Cell Culture

PDE6C Antibody (Center) - Images



PDE6C Antibody (Center) (Cat. #AP9728c) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PDE6C Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

PDE6C Antibody (Center) - Background

PDE6C is the alpha-prime subunit of cone phosphodiesterase, which is composed of a homodimer of two alpha-prime subunits and 3 smaller proteins of 11, 13, and 15 kDa.

PDE6C Antibody (Center) - References

Muradov, H., et al. J. Biol. Chem. 284(47):32662-32669(2009) Chang, B., et al. Proc. Natl. Acad. Sci. U.S.A. 106(46):19581-19586(2009) Thiadens, A.A., et al. Am. J. Hum. Genet. 85(2):240-247(2009)

PDE6C Antibody (Center) - Citations

- The Deubiquitinating Enzyme Ataxin-3 Regulates Ciliogenesis and Phagocytosis in the Retina
- Ryanodine Receptor 2 Contributes to Impaired Protein Localization in Cyclic Nucleotide-Gated Channel Deficiency.
- cGMP accumulation causes photoreceptor degeneration in CNG channel deficiency:

evidence of cGMP cytotoxicity independently of enhanced CNG channel function.