

PDE6G antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15196

Product Information

Application	WB
Primary Accession	P18545
Other Accession	NM_002602 , NP_002593
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	9643

Additional Information

Gene ID	5148
Alias Symbol Other Names	DKFZp686C0587, MGC125749, PDEG Retinal rod rhodopsin-sensitive cGMP 3', 5'-cyclic phosphodiesterase subunit gamma, GMP-PDE gamma, 3.1.4.35, PDE6G, PDEG
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PDE6G antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PDE6G antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PDE6G (HGNC:8789)
Synonyms	PDEG
Function	Inhibitory gamma subunit of the rod-specific cGMP phosphodiesterase (PDE6) complex, which hydrolyzes 3',5'-cyclic GMP in the phototransduction cascade. The PDE6 holoenzyme consists of two catalytic subunits (PDE6A and PDE6B) and two inhibitory gamma subunits. Light-activated GNAT1 relieves gamma subunit-mediated inhibition, enabling the catalytic subunits to hydrolyze cGMP and thereby mediate visual signal transduction and amplification.

Cellular Location

Cell projection, cilium, photoreceptor outer segment
{ECO:0000250|UniProtKB:P04972}

References

Tuteja N.,et al.Gene 88:227-232(1990).

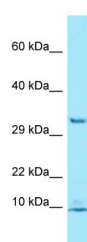
Piriyev N.I.,et al.Dokl. Akad. Nauk SSSR 315:229-231(1990).

Hahn L.B.,et al.Invest. Ophthalmol. Vis. Sci. 35:1077-1082(1994).

Bechtel S.,et al.BMC Genomics 8:399-399(2007).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



WB Suggested Anti-PDE6G Antibody Titration: 1.0 µg/ml
Positive Control: Jurkat Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.