PDE6B rabbit monoclonal antibody

Catalog # H00005158-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PDE6B peptide using ARM Technology.
Immunogen	A synthetic peptide of human PDE6B is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PDE6B peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — PDE6B

Entrez GeneID	5158
GeneBank Accession#	PDE6B
Gene Name	PDE6B
Gene Alias	CSNB3, PDEB, RP40, rd1
Gene Description	phosphodiesterase 6B, cGMP-specific, rod, beta
Omim ID	163500 180072
Gene Ontology	Hyperlink
Gene Summary	Photon absorption triggers a signaling cascade in rod photoreceptors that activates cGMP phosphodiesterase (PDE), resulting in the rapid hydrolysis of cGMP, closure of cGMP-gated cation channels, and hyperpolarization of the cell. PDE is a peripheral membrane heterotrimeric enzyme made up of alpha, beta, and gamma subunits. This gene encodes the beta subunit. Mutations in this gene result in retinitis pigmentosa and autosomal dominant congenital stationary night blindness. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	congenital stationary night blindness 3, autosomal dominant

Disease

- Retinal Diseases
- Retinitis Pigmentosa