

DNAxPAb

Hard-to-Find
Antibody

PDE6B DNAxPAb

Catalog # H00005158-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PDE6B DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MSLSEEQARSFLDQNPDFARQYFGKKLSPENVAAACEDGCPPDCDSLRLDCQVEESTALLELV
QDMQESINMERVVFKVLRRLCTLLQADRCSLFMYRQRNGVAELATRLFSVQPDSVLEDCLVPPD
SEVFLDIGVVGHVAQTKKMVNVEDVAECPHFSSFADELTDYKTKNMLATPIMNGKD VVAVIMA
VNKLNGPFFTSEDEDVFLKYNFATLYLKIYHLSYLHNCETRRGQVLLWSANKVFEELTDIERQFHK
AFYTVRAYLNCERYSVGLLDMTKEKEFFDVWSVLMGESQPYS GPRTPDGRENVFYKVIDYILHGKE
EIKVIPTPSADHWALASGLPSYVAESGFICNIMNASADEMFKFQEGALDDSGWLIK NVLSMPVKNK
KEEIVGVATFYNRKDGKPFDEQDEVLMESLTQFLGWSVMNTD TYDKMNKLENRKDIAQDMVLYH
VKCDRDEIQLILPTRARLGKEPADCDEDELGEILKEELPGPTTFDIYEFHFS DLECTELDLVKCGIQ
MYELGVVRKFQIPQEV LVRFLFSISKGYRRITYHNWRHGFNVAQTMFTLLMTGKLKSYTDL EAF
MVTAGLCHDIDHRGTNNLYQMKSQNPLAKLHGSSILERHHLEFGKFLLSEETLNIYQNLNRRQHDH
VIHLM DIAIATDLALYFKKRAMFQKIVDESKNYQDKKSWVEYLSLETT RKEVMAMMMTACDLSAIT
KPWEVQSKVALLVAAEFWEQGD LERTVLDQQPIPMMDRNKAAELPKLQVG FIDFVCTFVYKEFS
RFHEEILPMFDRLQNNRKEWKALADEYEA KV KALEEKEEEEERVA AAKKGTEICNGGPAPKSSTCCI
L

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PDE6B

Entrez GeneID [5158](#)

GeneBank Accession# [BC000249](#)

Protein Accession# [no protein_acc](#)

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](#)