

Datasheet for ABIN2789553
anti-PDE6B antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	PDE6B
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDE6B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	RQHEHVIHLM DIAIATDLA LYFKKRAMFQ KIVDESKNYQ DKKSWVEYLS
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 93%, Horse: 86%, Human: 100%, Mouse: 93%, Rabbit: 79%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against PDE6B. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	PDE6B
Alternative Name:	PDE6B (PDE6B Products)
Background:	Photon absorption triggers a signaling cascade in rod photoreceptors that activates cGMP

Target Details

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.

Alias Symbols: CSNB3, CSNBAD2, PDEB, RP40, rd1

Protein Interaction Partner: PPP1CC,

Protein Size: 854

Molecular Weight: 98 kDa

Gene ID: 5158

NCBI Accession: [NM_001145292](#), [NP_001138764](#)

UniProt: [E7ETT3](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Phototransduction](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 854 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

