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# anti-PDE6B antibody (C-Term)





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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 DIAIIATDLA 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

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

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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

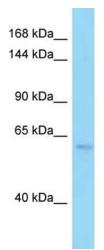
# Handling

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**



Rabbit Anti-PDE6B Antibody Catalog Number: ARP63580

Lot Number: QC33912 Lane: 293T Cell Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 6-18%

### **Western Blotting**

Image 1.