

PDE6B

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 98kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human PDE6B

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

rd1; PDEB; RP40; CSNB3; CSNBAD2;

Catalog #: A6942

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5158

Isotype: IgG

Swiss Prot: P35913

Purity: Affinity purification

For research use only.

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.

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