

# PDE6B Polyclonal antibody

Catalog Number: 10353-1-AP

1 Publications

## Basic Information

**Catalog Number:**

10353-1-AP

**Size:**

700 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0365

**GenBank Accession Number:**

BC000249

**GeneID (NCBI):**

5158

**UNIPROT ID:**

P35913

**Full Name:**phosphodiesterase 6B, cGMP-specific,  
rod, beta**Calculated MW:**

98 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

## Background Information

PDE6 is a cGMP-specific PDE family and presents multicomponent enzyme complexes. The rod PDE6 enzyme is comprised of two catalytic subunits (PDE6A and PDE6B) and it is expressed in human lungs (PMID:20979602). PDE6B (Rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit beta) is also named as PDEB and belongs to the cyclic nucleotide phosphodiesterase family. PDE6B also has a C-terminal CAAX motif for posttranslational processing involving lipidation, proteolysis, and carboxymethylation (PMID:8394243). Defects in PDE6B are the cause of retinitis pigmentosa type 40 (RP40) (PMID:22334370) and congenital stationary night blindness autosomal dominant type 2 (CSNBAD2) (PMID:8075643).

## Notable Publications

Author	Pubmed ID	Journal	Application
Nikolova Sevdalina S	20979602	Respir Res	IHC

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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