

# PDE6B Polyclonal antibody

Catalog Number: 10353-1-AP

1 Publications

## Basic Information

### Catalog Number:

10353-1-AP

### Size:

150ul, Concentration: 700 µg/ml by Nanodrop and 547 µg/ml by Bradford method using BSA as the standard;

### 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:

WB, IHC, 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

\*\*\* 20ul sizes contain 0.1% BSA

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

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