

For Research Use Only

# PDE6C Polyclonal antibody

Catalog Number: 55183-1-AP



## Basic Information

### Catalog Number:

55183-1-AP

### Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_006204

### GeneID (NCBI):

5146

### UNIPROT ID:

P51160

### Full Name:

phosphodiesterase 6C, cGMP-specific, cone, alpha prime

### Calculated MW:

99 kDa

### Observed MW:

52 kDa, 99 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human

### Positive Controls:

WB : Y79 cells,

## Background Information

PDE6C, also named as PDEA2, belongs to the cyclic nucleotide phosphodiesterase family. It catalyze the reaction: Guanosine 3',5'-cyclic phosphate + H<sub>2</sub>O = guanosine 5'-phosphate. Defects in PDE6C are the cause of cone dystrophy type 4 (COD4). Mutations in the PDE6C gene encoding the catalytic subunit of the cone photoreceptor phosphodiesterase as a cause of autosomal recessive achromatopsia.(PMID:19887631) This antibody is specific to PDE6C.

## Storage

### Storage:

Store at -20°C.

### 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

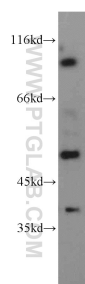
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## Selected Validation Data



Y79 cells were subjected to SDS PAGE followed by western blot with 55183-1-AP (PDE6C antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.