

For Research Use Only

PDE6C Polyclonal antibody

Catalog Number: 55183-1-AP



Basic Information

Catalog Number:

55183-1-AP

Size:

200 µg/ml

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 catalyzes the reaction: Guanosine 3',5'-cyclic phosphate + H₂O = 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

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

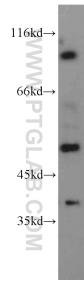
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Selected Validation Data



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.