

For Research Use Only

CNGA3 Polyclonal antibody

Catalog Number: 21657-1-AP



Basic Information

Catalog Number:

21657-1-AP

Size:

150ul, Concentration: 227 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16385

GenBank Accession Number:

BC096298

GeneID (NCBI):

1261

UNIPROT ID:

Q16281

Full Name:

cyclic nucleotide gated channel alpha 3

Calculated MW:

694 aa, 79 kDa

Observed MW:

98 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells,

IP : mouse brain tissue,

IHC : mouse eye tissue,

Background Information

CNGA3 is a member of the cyclic nucleotide-gated cation channel protein family which is required for normal vision and olfactory signal transduction. Mutations in CNGA3 gene are associated with achromatopsia (rod monochromacy) and color blindness. Three alternatively spliced transcripts encoding different isoforms have been described. This antibody detects CNGA3 with an apparent molecular weight of 98 kDa which has been reported (PMID: 20378608).

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

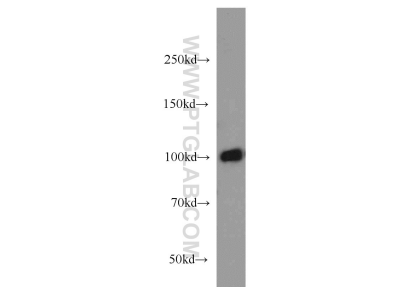
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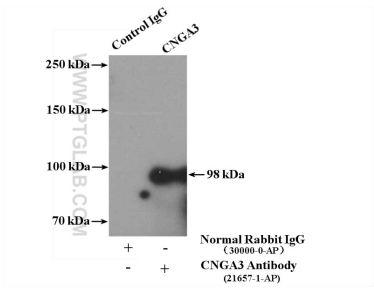
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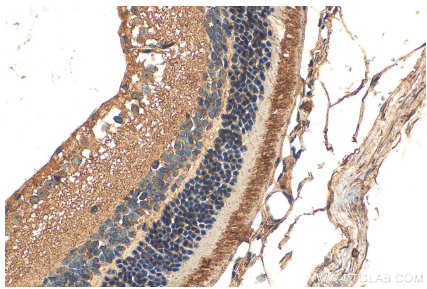
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 21657-1-AP (CNGA3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-CNGA3 (IP:21657-1-AP, 4ug; Detection:21657-1-AP 1:300) with mouse brain tissue lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 21657-1-AP (CNGA3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).