

For Research Use Only

CNGA3 Polyclonal antibody

Catalog Number: 21657-1-AP



Basic Information

Catalog Number: 21657-1-AP	GenBank Accession Number: BC096298	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 227 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1261	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000
Source: Rabbit	Full Name: cyclic nucleotide gated channel alpha 3	for WB IHC 1:50-1:500
Isotype: IgG	Calculated MW: 694 aa, 79 kDa	
Immunogen Catalog Number: AG16385	Observed MW: 98 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, IP : mouse brain tissue, IHC : mouse eye tissue,
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	

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

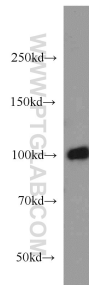
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

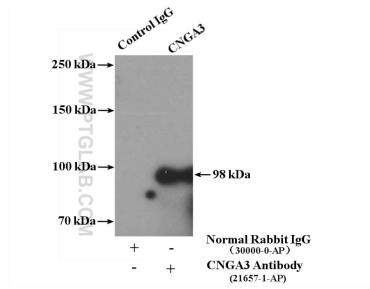
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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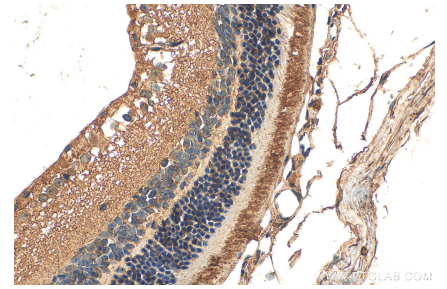
Selected Validation Data



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).