

For Research Use Only

# GNGT2 Polyclonal antibody

Catalog Number: 11988-1-AP

1 Publications



## Basic Information

### Catalog Number:

11988-1-AP

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2618

### GenBank Accession Number:

BC008663

### GeneID (NCBI):

2793

### UNIPROT ID:

O14610

### Full Name:

guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2

### Calculated MW:

69 aa, 8 kDa

### Observed MW:

8 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### Cited Species:

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 : mouse retina tissue,

IHC : mouse eye tissue,

## Background Information

GNGT2, also known as GNG8, GNG9 and GNGT8, belongs to the G protein gamma family. Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. This antibody has weak cross-reactivity of GNGT1 protein, as the immunogen of GNGT2 shares about 65% homology with GNGT1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Liping Ma	39746565	Toxicology	WB

## 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

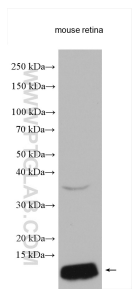
For technical support and original validation data for this product please contact:

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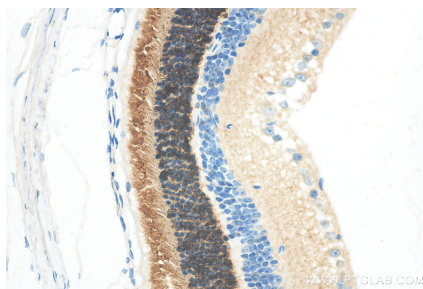
## Selected Validation Data



Mouse retina tissue were subjected to SDS PAGE followed by western blot with 11988-1-AP (GNGT2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 11988-1-AP (GNGT2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 11988-1-AP (GNGT2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).