

For Research Use Only

# RGS9 Polyclonal antibody

Catalog Number: 17970-1-AP

1 Publications



## Basic Information

### Catalog Number:

17970-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11976

### GenBank Accession Number:

BC022504

### GeneID (NCBI):

8787

### UNIPROT ID:

O75916

### Full Name:

regulator of G-protein signaling 9

### Calculated MW:

622 aa, 71 kDa

### Observed MW:

58 kDa, 70-75 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : mouse brain tissue, SH-SY5Y cells

## Background Information

RGS9 is a member of the RGS family of signaling proteins that suppress the activity of G proteins by promoting their deactivation. There are two splice isoforms of RGS9 with quite different properties and patterns of expression. RGS9-1 is mainly found in the eye and is involved in regulation of phototransduction in rod and cone cells of the retina, while RGS9-2 is expressed specifically in the striatum, a brain region involved in controlling movement, motivation, mood and addiction. This antibody got about 58kD in the mouse eye and 70kD in the mouse brain in western blotting, both in line with their expected masses. Defects in RGS9 are a cause of prolonged electroretinal response suppression (PERRS).

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhuo Shao	34573334	Genes (Basel)	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

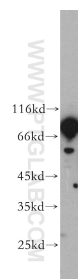
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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 17970-1-AP (RG59 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.