

For Research Use Only

# RGS9 Polyclonal antibody, PBS Only

Catalog Number:17970-1-PBS



## Basic Information

Catalog Number:

17970-1-PBS

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:

50-58 kDa, 70-75 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

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## Selected Validation Data



Mouse brain tissue was subjected to SDS PAGE followed by western blot with 17970-1-AP (RGS9 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17970-1-PBS in a different storage buffer formulation.

Various lysates were subjected to SDS PAGE followed by western blot with 17970-1-AP (RGS9 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17970-1-PBS in a different storage buffer formulation.