

# GRM5 Rabbit pAb

Catalog No.: A9819 **1 Publications**

## Basic Information

**Observed MW**

150kDa/300kDa

**Calculated MW**

132kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IF/ICC

**Cross-Reactivity**

Human, Mouse, Rat

## Background

This gene encodes a member of the G-protein coupled receptor 3 protein family. The encoded protein is a metabotropic glutamate receptor, whose signaling activates a phosphatidylinositol-calcium second messenger system. This protein may be involved in the regulation of neural network activity and synaptic plasticity. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. A pseudogene of this gene has been defined on chromosome 11. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

**Gene ID**

2915

**Swiss Prot**

P41594

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 870-1070 of human GRM5 (NP\_001137303.1).

**Synonyms**

mGlu5; GPRC1E; MGLUR5; PPP1R86; GRM5

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

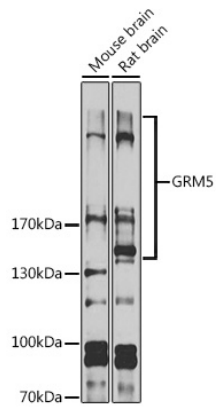
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

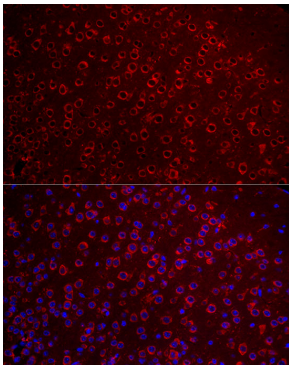
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

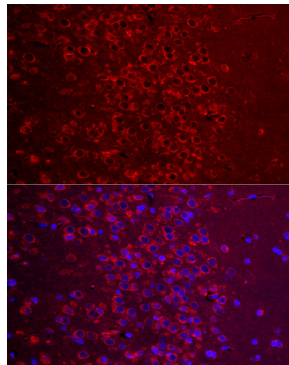
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Western blot analysis of extracts of various cell lines, using GRM5 antibody (A9819) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



Immunofluorescence analysis of mouse brain cells using GRM5 Rabbit pAb (A9819) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of rat brain cells using GRM5 Rabbit pAb (A9819) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.