

For Research Use Only

# GRID2 Polyclonal antibody, PBS Only

Catalog Number: 21727-1-PBS



## Basic Information

Catalog Number:

21727-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16391

GenBank Accession Number:

BC099652

GeneID (NCBI):

2895

UNIPROT ID:

O43424

Full Name:

glutamate receptor, ionotropic, delta 2

Calculated MW:

1007 aa, 113 kDa

Observed MW:

113 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

The GRID2 gene provides instructions for making a protein called the glutamate receptor ionotropic, delta-2 subunit (GluD2). While it belongs to the family of ionotropic glutamate receptors, which are proteins that respond to the neurotransmitter glutamate by opening an ion channel, GluD2 is unique. It is often referred to as an "orphan" receptor because it does not bind glutamate or function as a typical ion channel. Instead, its primary roles are structural and organizational, critical for the development, maintenance, and function of specific synapses in the brain.

## 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:

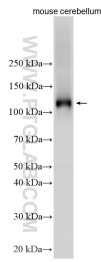
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

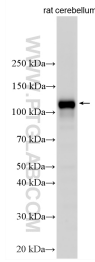
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

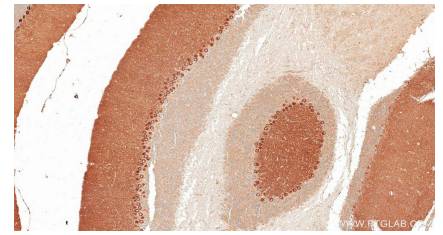
## Selected Validation Data



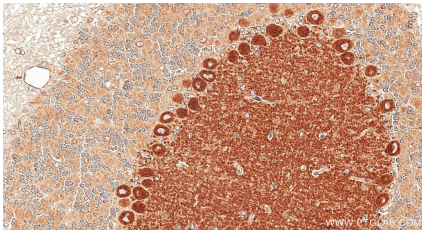
Various lysates were subjected to SDS PAGE followed by western blot with 21727-1-AP (GRID2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 21727-1-PBS in a different storage buffer formulation.



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Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 21727-1-AP (GRID2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21727-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 21727-1-AP (GRID2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21727-1-PBS in a different storage buffer formulation.