

For Research Use Only

GRID2 Polyclonal antibody

Catalog Number: 21727-1-AP



Basic Information

Catalog Number: 21727-1-AP	GenBank Accession Number: BC099652	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 2895	Recommended Dilutions: WB: 1:2000-1:10000 IHC: 1:500-1:2000
Isotype: IgG	UNIPROT ID: O43424	
Immunogen Catalog Number: AG16391	Full Name: glutamate receptor, ionotropic, delta 2	
	Calculated MW: 1007 aa, 113 kDa	
	Observed MW: 113 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

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 cerebellum tissue, rat cerebellum tissue

IHC: mouse cerebellum tissue,

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 -20°C. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

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

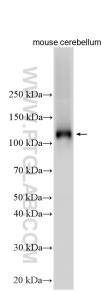
T: 4006900926

E: Proteintech-CN@ptglab.com

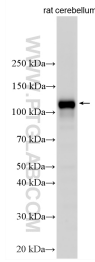
W: ptgcn.com

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

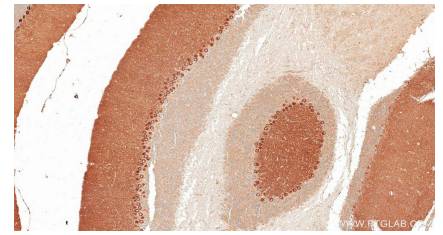
Selected Validation Data



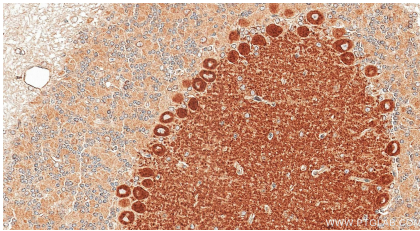
Various lysates were subjected to SDS PAGE followed by western blot with 21727-1-AP (GRID2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.



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).



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).