

For Research Use Only

GRID1 Polyclonal antibody, PBS Only

Catalog Number: 13040-1-PBS



Basic Information

Catalog Number: 13040-1-PBS	GenBank Accession Number: BC039263	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2894	
Source: Rabbit	UNIPROT ID: Q9ULK0	
Isotype: IgG	Full Name: glutamate receptor, ionotropic, delta 1	
Immunogen Catalog Number: AG3694	Calculated MW: 1009 aa, 112 kDa	
	Observed MW: 100-112 kDa	

Applications

Tested Applications:
WB, IHC, IP, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

GRID1 (Glutamate Ionotropic Receptor Delta Type Subunit 1) is a protein-coding gene that belongs to the family of ionotropic glutamate receptors. These receptors are crucial for rapid excitatory synaptic transmission and synaptic plasticity in the central nervous system. GRID1 is primarily expressed in various brain regions, including the cortex, hippocampus, amygdala, striatum, thalamus, nucleus accumbens, lateral hooked nucleus, and dorsal raphe nucleus. In the hippocampus, GRID1 is specifically expressed in the granule cells of the dentate gyrus.

Storage

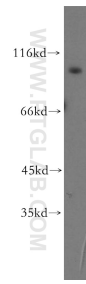
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

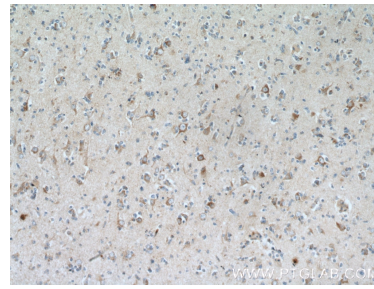
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

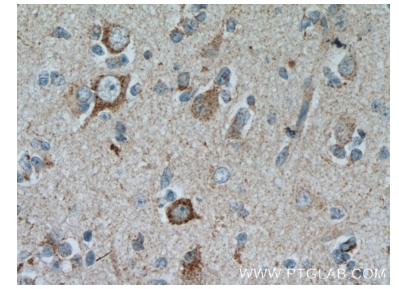
Selected Validation Data



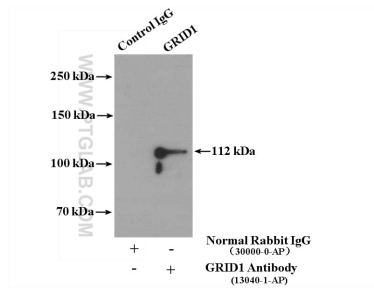
human brain tissue were subjected to SDS PAGE followed by western blot with 13040-1-AP (GRID1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13040-1-PBS in a different storage buffer formulation.



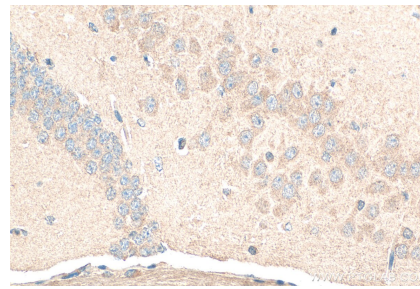
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 13040-1-AP (GRID1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13040-1-PBS in a different storage buffer formulation.



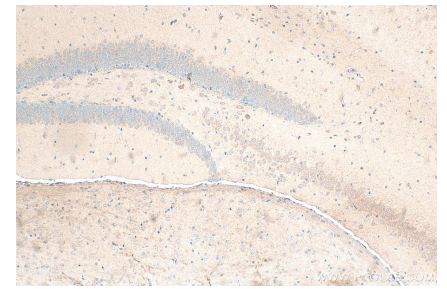
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 13040-1-AP (GRID1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13040-1-PBS in a different storage buffer formulation.



IP result of anti-GRID1 (IP:13040-1-AP, 4ug; Detection:13040-1-AP 1:300) with mouse brain tissue lysate 5600ug. This data was developed using the same antibody clone with 13040-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13040-1-AP (GRID1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13040-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13040-1-AP (GRID1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13040-1-PBS in a different storage buffer formulation.