

For Research Use Only

Glutamate receptor 3/GluA3 Polyclonal antibody, PBS Only

Catalog Number: 29588-1-PBS



Basic Information

Catalog Number:

29588-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30898

GenBank Accession Number:

NM_007325

GeneID (NCBI):

2892

UNIPROT ID:

P42263

Full Name:

glutamate receptor, ionotropic, AMPA 3

Calculated MW:

101 kDa

Observed MW:

101 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IF-P, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. GRIA3 (Glutamate ionotropic receptor AMPA type subunit 3), also known as Glutamate receptor R3 or A3 (GluR3 or GluA3), is associated with X-linked intellectual disability (ID), dysmorphic features, and non-syndromic epilepsy (PMID: 32977175). GRIA3 also plays a role as a mediator of tumor progression in pancreatic cancer downstream CUX1 (PMID: 20689760).

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:

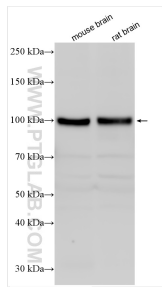
T: 4006900926

E: Proteintech-CN@ptglab.com

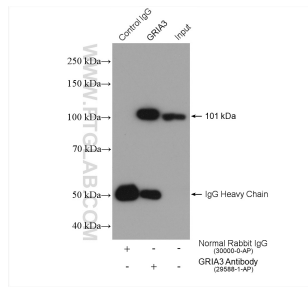
W: ptgcn.com

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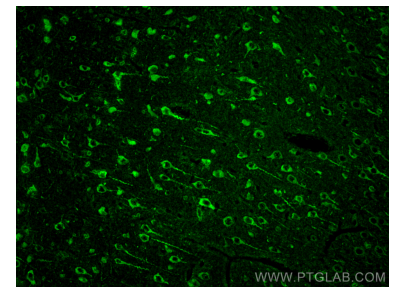
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29588-1-AP (Glutamate receptor 3/GluA3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29588-1-PBS in a different storage buffer formulation.



IP result of anti-Glutamate receptor 3/GluA3 (IP:29588-1-AP, 4ug; Detection:29588-1-AP 1:2000) with mouse brain tissue lysate 1280 ug. This data was developed using the same antibody clone with 29588-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using Glutamate receptor 3/GluA3 antibody (29588-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29588-1-PBS in a different storage buffer formulation.