

For Research Use Only

# Glutamate receptor 3/GluA3 Polyclonal antibody, PBS Only

Catalog Number: 29588-1-PBS



## Basic Information

**Catalog Number:**

29588-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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.

**Storage Buffer:**

PBS only, pH7.3

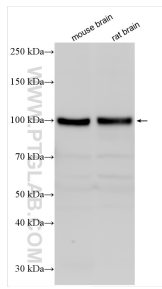
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

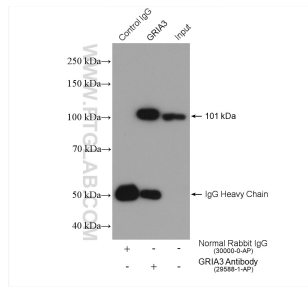
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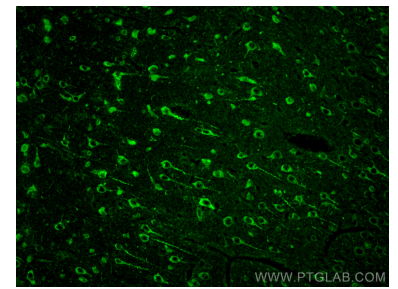
## Selected Validation Data



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.