

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Glutamate receptor 2



Numéro de catalogue: 11994-1-AP

30 Publications

Informations de base

Numéro de catalogue:

11994-1-AP

Taille:

150ul, Concentration: 750 µg/ml by Nanodrop and 420 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG2662

Numéro d'acquisition GenBank:

BC010574

Identification du gène (NCBI):

2891

Nom complet:

glutamate receptor, ionotropic, AMPA 2

MW calculé

883 aa, 99 kDa

MW observés:

94-105 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:2000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Applications testées:

FC (Intra), IF, IHC, IP, WB, ELISA

Demandes citées:

CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu cérébral de souris,

IP : tissu cérébral de souris,

IHC : tissu cérébral de souris,

IF : tissu oculaire de souris,

Informations générales

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. GRIA2 (glutamate receptor 2, GluR-2) belongs to a family of glutamate receptors that are sensitive to alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA), and function as ligand-activated cation channels that mediate the fast component of excitatory postsynaptic currents in neurons of the central nervous system. These channels are assembled from 4 related subunits, GRIA1-4. The presence of GRIA2 in the heteromeric AMPA receptors impermeabilizes it to calcium, preventing possible calcium-mediated toxicity.

Publications notables

Autrice	Pubmed ID	Journal	Application
Pengcheng Ma	36179027	Sci Adv	WB, CoIP
YuanYuan Hou	34710402	Exp Neurol	WB
Joanna Gruszczynska-Biegala	27826230	Front Cell Neurosci	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

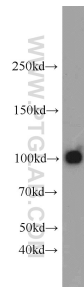
For technical support and original validation data for this product please contact:

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

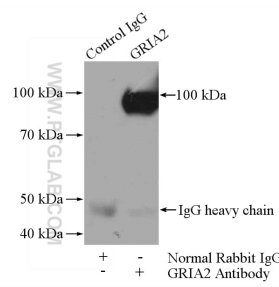
E: proteintech@ptglab.com
W: ptglab.com

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

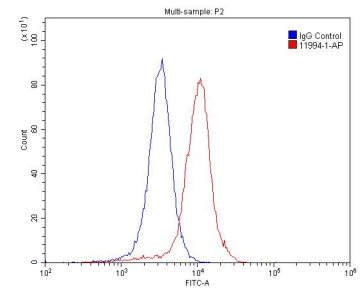
Données de validation sélectionnées



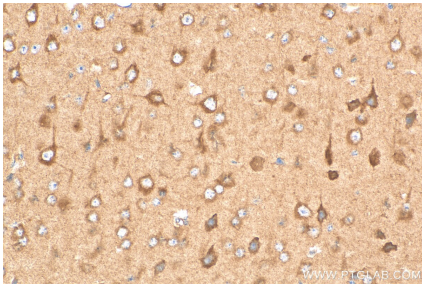
mouse brain tissue were subjected to SDS PAGE followed by western blot with 11994-1-AP (Glutamate receptor 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



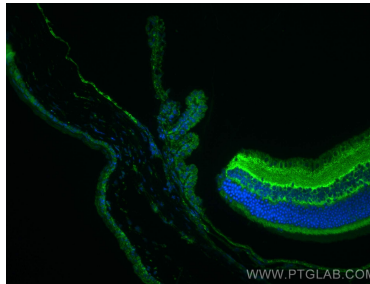
IP Result of anti-Glutamate receptor 2 (IP:11994-1-AP, 4ug; Detection:11994-1-AP 1:500) with mouse brain tissue lysate 4000ug.



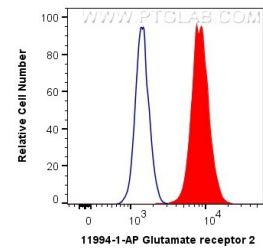
1X10⁶ SH-SY5Y cells were stained with 0.2ug Glutamate receptor 2 antibody (11994-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11994-1-AP (Glutamate receptor 2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse eye tissue using Glutamate receptor 2 antibody (11994-1-AP) at dilution of 1:200 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ SH-SY5Y cells were intracellularly stained with 0.4 ug Anti-Human Glutamate receptor 2 (11994-1-AP) and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).