

## Glutamate receptor 2 Polyclonal Antibody

Catalog number: 11994-1-AP

Size: 63 µg/150 µl

Source: Rabbit

Isotype: IgG

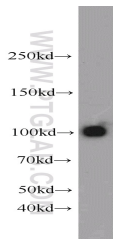
Synonyms:

GRIA2; GluA2, GluR 2, GluR B,

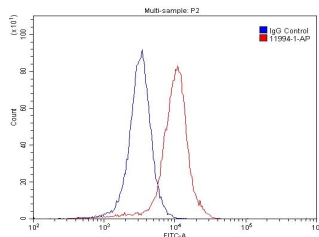
GluR K2, GLUR2, GLURB,

Glutamate receptor 2, GRIA2,

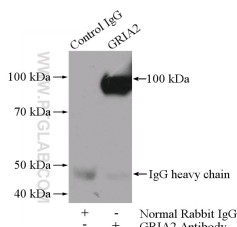
HBGR2



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11994-1-AP(GRIA2 antibody) at dilution of 1:1000



1X10<sup>6</sup> SH-SY5Y cells were stained with 0.2ug GRIA2 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.



IP Result of anti-GRIA2 (IP:11994-1-AP, 4ug; Detection:11994-1-AP 1:500) with mouse brain tissue lysate 4000ug.

### Background

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.

### Applications

Tested applications:	ELISA, WB, IP, FC
Cited applications:	WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Cited species:	Rat
Calculated Glutamate receptor 2 MW:	883aa,99 kDa
Observed Glutamate receptor 2 MW:	94-105 kDa
Positive WB detected in	Mouse brain tissue, human brain tissue, SKOV-3 cells
Positive IP detected in	Mouse brain tissue
Positive FC detected in	SH-SY5Y cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 FC: N/A

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2662
GenBank accession number:	BC010574
Gene ID (NCBI):	2891
Full name:	Glutamate receptor, ionotropic, AMPA 2

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.