**Product Name: Phospho-Glutamate Receptor 1 (AMPA Subtype) (Ser845) Rabbit Polyclonal Antibody**
**Catalog #: APRab00702**

## Summary

| | |
|---|---|
| **Production Name** | Phospho-Glutamate Receptor 1 (AMPA Subtype) (Ser845) Rabbit Polyclonal Antibody |
| **Description** | Primary antibody |
| **Host** | Rabbit |
| **Application** | WB |
| **Reactivity** | Human,Mouse,Rat |

## Performance

| | |
|---|---|
| **Conjugation** | Unconjugated |
| **Modification** | Phosphorylated |
| **Isotype** | IgG |
| **Clonality** | Polyclonal Antibody |
| **Form** | Liquid |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purification** | Affinity Chromatography |

## Immunogen

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|---|---|
| **Gene Name** | GRIA1 |
| **Alternative Names** | GRIA1; GLUH1; GLUR1; Glutamate receptor 1; GluR-1; AMPA-selective glutamate receptor 1; GluR-A; GluR-K1; Glutamate receptor ionotropic; AMPA 1; GluA1 |
| **Gene ID** | 2890 |
| **SwissProt ID** | P42261 |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB: 1/500-1/1000 |
| **Molecular Weight** | Calculated MW: 102 kDa; Observed MW: 102 kDa |

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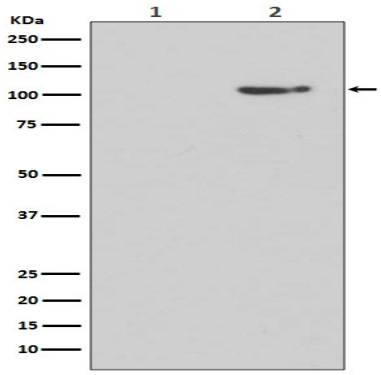
## Background

AMPA- (α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid), kainate-, and NMDA- (N-methyl-D-aspartate) receptors are the three main families of ionotropic glutamate-gated ion channels. AMPA receptors (AMPARs) are comprised of four subunits (GluR 1-4), which assemble as homo- or hetero-tetramers to mediate the majority of fast excitatory transmissions in the central nervous system. AMPARs are implicated in synapse formation, stabilization, and plasticity.

## Research Area

Neuroscience

## Image Data




Western blot analysis of Phospho-GluR1 (S845) in (1) Human brain lysates treated with Lambda phosphatase lysates; (2) Human brain lysates using Phospho-Glutamate Receptor 1 (AMPA Subtype) (Ser845) antibody.

## Note

For research use only.