

#11292**Glutamate receptor 2 (Precursor) (phospho-Ser880) Antibody**

Catalog: #11292-1 50µl **Orders:** order@signalwayantibody.com
 #11292-2 100µl **Support:** tech@signalwayantibody.com
Storage: Store at -20°C/1 year **Web:** www.signalwayantibody.com



| Application | Species Reactivity | Source | Molecular Wt. |
|-------------|--------------------|---------------------|---------------|
| WB | Human Mouse Rat | Rabbit Polyconal Ab | 100KD |

Description: Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Specificity: The antibody detects endogenous level of Glutamate receptor 2 (Precursor) only when phosphorylated at serine 880.

Immunogen: Peptide sequence around phosphorylation site of serine 880 (I-E-S(p)-V-K) derived from Human Glutamate receptor 2.

Formulation: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Synonyms: GRIA2 GluR-2 GluR-B GluR-K2 AMPA 2

Accession No.: Swiss-Prot#: P42262 NCBI Gene#: 2891
 NCBI Protein#: NP_000817.2

Background: Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist.

References:

Cull-Candy, S. et al. (2006) *Curr. Opin. Neurobiol.* 16, 288-297.
 Hanley JG, et al. (2002) *Neuron.* 34(1): 53-67

Citation:

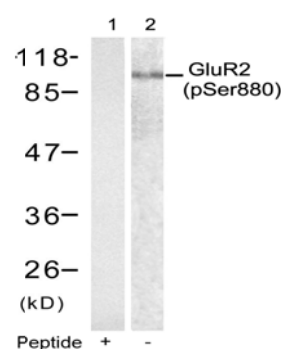
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Related Pathway: Receptors, Neuroscience, Channel

Note: For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

Recommended Dilutions:

Western blotting 1:500~1:1000



Western blot analysis of extracts from mouse brain tissue using Glutamate receptor 2 (Precursor) (phospho-Ser880) antibody #11292 (Lane 2) and the same antibody preincubated with blocking peptide (Lane1).