10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-GluR2-subunit (Ser880) Antibody

Our Anti-GluR2-subunit (Ser880) rabbit polyclonal phosphospecific primary antibody from PhosphoSolut

Catalog # AN1420

Specification

Anti-GluR2-subunit (Ser880) Antibody - Product Information

Primary Accession	P19491
Reactivity	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**98688**

Anti-GluR2-subunit (Ser880) Antibody - Additional Information

Gene ID	**29627**

Other Names

AMPA 2 antibody, AMPA selective glutamate receptor 2 antibody, AMPA-selective glutamate receptor 2 antibody, AMPA2 antibody, GluA2 antibody, GLUR 2 antibody, GLUR B antibody, GluR K2 antibody, GluR-2 antibody, GluR-B antibody, GluR-K2 antibody, GLUR2 antibody, GLURB antibody, Glutamate receptor 2 antibody, Glutamate receptor ionotropic AMPA 2 antibody, Glutamate receptor ionotropic antibody, Gria2 antibody, GRIA2_HUMAN antibody, HBGR2 antibody

Target/Specificity

The ion channels activated by glutamate are typically divided into two classes. Those that are sensitive to N-methyl-D-aspartate (NMDA) are designated NMDA receptors (NMDAR) while those activated by α-amino-3-hydroxy-5-methyl-4-isoxalone propionic acid (AMPA) are known as AMPA receptors (AMPAR). The AMPAR are comprised of four distinct glutamate receptor subunits designated (GluR1-4) and they play key roles in virtually all excitatory neurotransmission in the brain (Keinänen et al., 1990; Hollmann and Heinemann, 1994). The number of GluR2 subunits in the AMPA receptor complex affects the Ca2+ permeability, rectification and single-channel conductance of AMPA receptors. Ser-880 has been identified as the PKC phosphorylation site within the C-terminal region of GluR2 and has been shown to differentially regulate the interaction of the PDZ domain-containing proteins GRIP1 and PICK 1 (Matsuda et al., 1999)

Format

Antigen Affinity Purified from Pooled Serum

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-GluR2-subunit (Ser880) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

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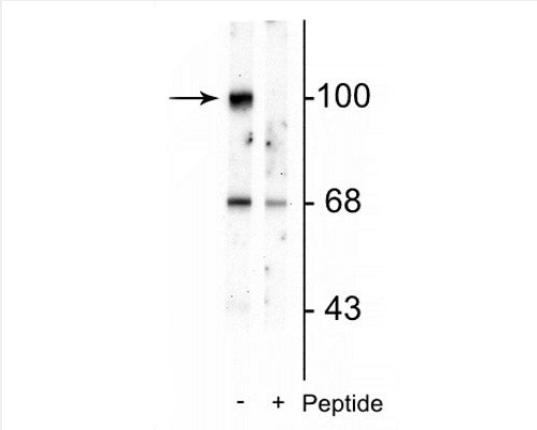
Anti-GluR2-subunit (Ser880) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-GluR2-subunit (Ser880) Antibody - Images



Western blot of rat brain lysate showing specific immunolabeling of the ~100 kDa GluR2 protein phosphorylated at Ser880 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is blocked by preadsorption of the phosphopeptide used as the antigen, but not by the corresponding non-phosphopeptide (not shown).

Anti-GluR2-subunit (Ser880) Antibody - Background

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