

Product datasheet for **AP02530PU-S**

Ionotropic Glutamate receptor 2 (GRIA2) pSer880 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1:500~1:1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human Glutamate receptor 2 (Precursor) around the phosphorylation site of serine 880 (I-E-SP-V-K).
Specificity:	Glutamate receptor 2 (Precursor) antibody detects endogenous levels of Glutamate receptor 2 (Precursor) only when phosphorylated at serine 880.
Formulation:	PBS(without Mg ²⁺ and Ca ²⁺), pH 7.4 containing 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glutamate ionotropic receptor AMPA type subunit 2
Database Link:	Entrez Gene 2891 Human P42262



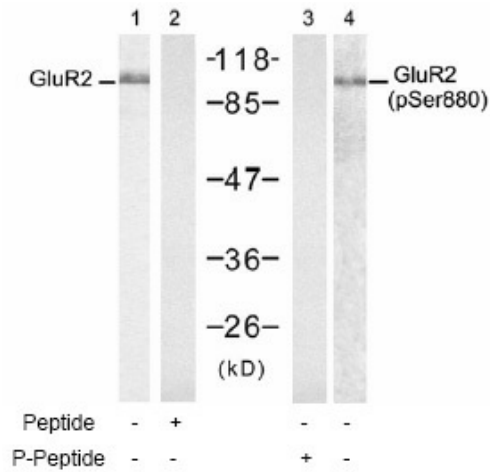
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Background:

Glutamate receptors sensitive to AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazolpropionate) are 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, GLURA (GRIA1), GLURB (GRIA2), GLURC (GRIA3), GLURD (GRIA4), with the GLURB subunit rendering the channel almost impermeable to Ca²⁺.

Synonyms:

GluR-B, GluR-K2, Glutamate receptor ionotropic, AMPA2, GRIA2

Product images:


Western blot analysis of extract from mouse brain tissue, using Glutamate receptor 2 (Precursor)antibody (Lane 1 and 2) and Glutamate receptor 2 (Precursor) (pSer880) antibody (Lane 3 and 4).