

## Product datasheet for **AP02778PU-S**

### Ionotropic Glutamate receptor 2 (GRIA2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1:500~1:1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized non-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 total Glutamate receptor 2(Precursor) protein.
Formulation:	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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 immunogen.
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:	<a href="#">Entrez Gene 2891 Human P42262</a>



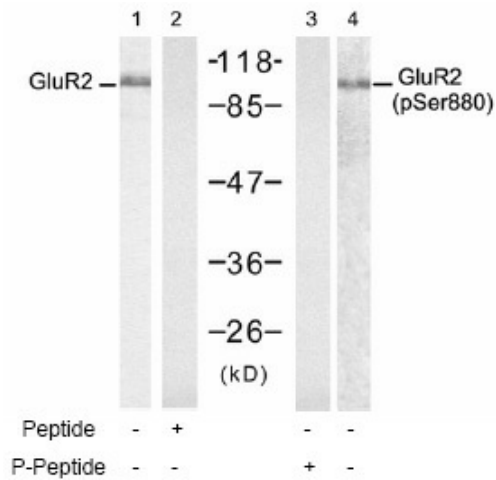
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**Background:**

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 Ca<sup>2+</sup>.

**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).