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Product datasheet for AP02510PU-N

GRIA1 pSer849 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 phosphopeptide derived from human GluR1 around the phosphorylation site of serine 849 (Q-Q-SP-I-N).
Specificity:	GluR1 Antibody detects endogenous levels of GluR1 only when phosphorylated at serine 849.
Formulation:	PBS(without Mg2+ and Ca2+), 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 1
Database Link:	Entrez Gene 2890 Human P42261

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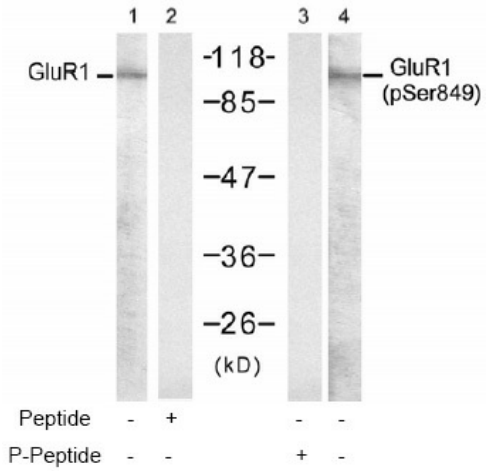
Background: Glutamate dehydrogenase has a central role in nitrogen metabolism in plants and animals. Glutamate dehydrogenase is found in all organisms and catalyzes the oxidative deamination of 1-glutamate to 2-oxoglutarate. Glutamate, the main substrate of Glutamate dehydrogenase, is present in brain in concentrations higher than in other organs. In nervous tissue, Glutamate dehydrogenase appears to function in both the synthesis and the catabolism of glutamate and perhaps in ammonia detoxification.

Synonyms: GluR-1, GRIA1, GLUH1, GluR-A, GluR-K1, Glutamate receptor ionotropic, AMPA1

Product images:



Western blot analysis of extract from mouse brain tissue, using GluR1 antibody (Lane 1 and 2) and GluR1 (pSer849) antibody (Lane 3 and 4).