



GluR-1 (phospho Ser863) rabbit pAb

Cat No.:ES5634

For research use only

Overview

Product Name	GluR-1 (phospho Ser863) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GluR1 around the phosphorylation site of Ser863. AA range:829-878
Specificity	Phospho-GluR-1 (S863) Polyclonal Antibody detects endogenous levels of GluR-1 protein only when phosphorylated at S863.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Glutamate receptor 1
Gene Name	GRIA1
Cellular localization	Cell membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic density membrane ; Multi-p
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	102kD
Human Gene ID	2890
Human Swiss-Prot Number	P42261
Alternative Names	GRIA1; GLUH1; GLUR1; Glutamate receptor 1;

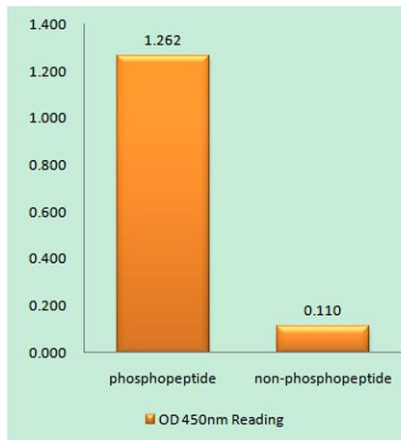




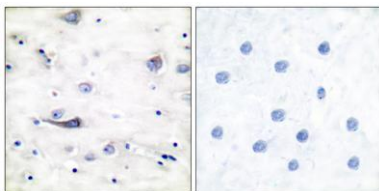
Background

GluR-1; AMPA-selective glutamate receptor 1; GluR-A; GluR-K1; Glutamate receptor ionotropic; AMPA 1; GluA1

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. This gene belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using GluR1 (Phospho-Ser863) Antibody

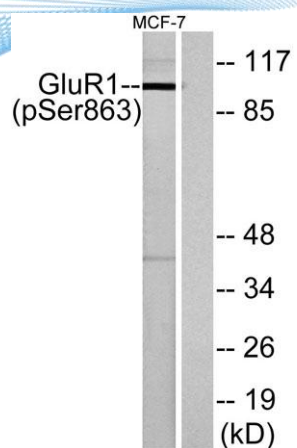


Immunohistochemistry analysis of paraffin-embedded human brain, using GluR1 (Phospho-Ser863) Antibody. The picture on the right is blocked with the phosphopeptide.





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Western blot analysis of lysates from MCF-7 cells, using GluR1 (Phospho-Ser863) Antibody. The lane on the right is blocked with the phospho peptide.



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