

产品名称: GluR-1 (phospho Ser849) Rabbit Polyclonal Antibody
产品货号: APRab04734



产品概述 (Summary)

产品名称 (Production Name)	GluR-1 (phospho Ser849) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GRIA1
别名 (Alternative Names)	GRIA1; GLUH1; GLUR1; Glutamate receptor 1; GluR-1; AMPA-selective glutamate receptor 1; GluR-A; GluR-K1; Glutamate receptor ionotropic; AMPA 1; GluA1
基因 ID (Gene ID)	2890.0
蛋白 ID (SwissProt ID)	P42261. The antiserum was produced against synthesized peptide derived from human GluR1 around the phosphorylation site of Ser849. AA range: 816-865

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稀释比 (Dilution Ratio)

IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:20000-1:40000

蛋白分子量 (Molecular Weight)

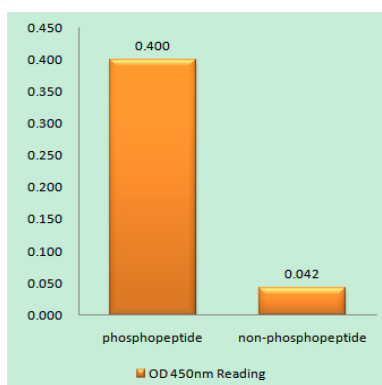
研究背景 (Background)

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], function: Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist., miscellaneous: The postsynaptic actions of Glu are mediated by a variety of receptors that are named according to their selective agonists. This receptor binds AMPA (quisqualate) > glutamate > kainate., PTM: Palmitoylated. Depalmitoylated upon glutamate stimulation. Cys-603 palmitoylation leads to Golgi retention and decreased cell surface expression. In contrast, Cys-829 palmitoylation does not affect cell surface expression but regulates stimulation-dependent endocytosis., similarity: Belongs to the glutamate-gated ion channel (TC 1.A.10) family., subcellular location: Interaction with CACNG2 promotes cell surface expression., subunit: Homotetramer or heterotetramer of pore-forming glutamate receptor subunits. Tetramers may be formed by the dimerization of dimers. Interacts with DLG1 via its C-terminus. Interacts with CACNG2, HIP1 and RASGRF2., tissue specificity: Widely expressed in brain.,

研究领域 (Research Area)

Neuroactive ligand-receptor interaction; Long-term potentiation; Long-term depression; Amyotrophic lateral sclerosis (ALS);

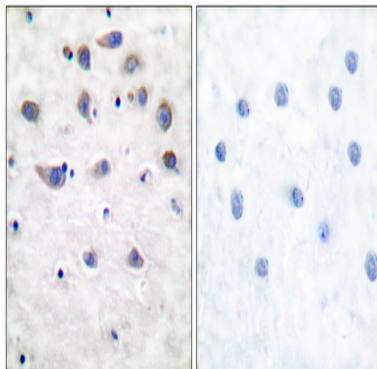
图片 (Image Data)



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Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using GluR1 (Phospho-Ser849) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using GluR1 (Phospho-Ser849) Antibody. The picture on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only .