

产品名称: GluR-1 (phospho Ser863) Rabbit Polyclonal Antibody
产品货号: APRab04735



产品概述 (Summary)

产品名称 (Production Name)	GluR-1 (phospho Ser863) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,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 Ser863. AA range:829-878

产品应用 (Application)

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稀释比 (Dilution Ratio) WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight) 102kDa

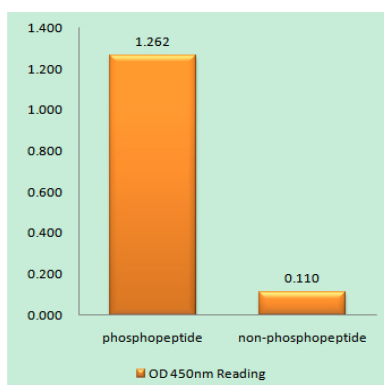
研究背景 (Background)

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);

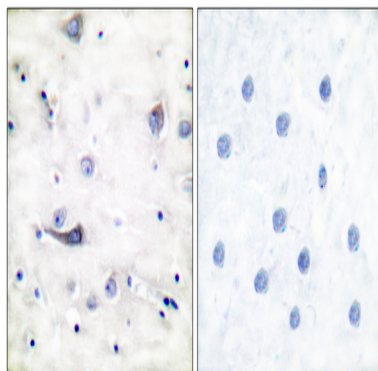
图片 (Image Data)



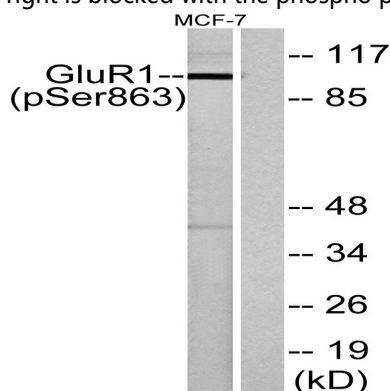
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Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using GluR1 (Phospho-Ser863) Antibody



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



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.

注意事项 (Note)

For research use only .