

产品名称: GluR2 (5C16) Rabbit Monoclonal Antibody
产品货号: AMRe11492



产品概述 (Summary)

产品名称 (Production Name)	GluR2 (5C16) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, FC
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
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)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GRIA2
别名 (Alternative Names)	AMPA 2; AMPA selective glutamate receptor 2; AMPA2; GluA2; GLUR B; GluR K2; GLUR2; GLURB; Gria2; HBGR2;
基因 ID (Gene ID)	2891.0
蛋白 ID (SwissProt ID)	P42262.A synthetic peptide of human Ionotropic Glutamate receptor 2

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:10000, ICC/IF 1:20-1:50, FC 1:50-1:100
蛋白分子量 (Molecular Weight)	99kDa

研究背景 (Background)

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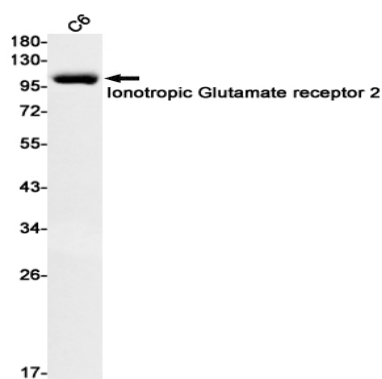


Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. Receptor for glutamate that functions as ligand-gated ion channel in the central nervous system (PubMed:31300657). It plays an important role in excitatory synaptic transmission. 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. In the presence of CACNG4 or CACNG7 or CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of glutamate. Through complex formation with NSG1, GRIP1 and STX12 controls the intracellular fate of AMPAR and the endosomal sorting of the GRIA2 subunit toward recycling and membrane targeting (By similarity).

研究领域 (Research Area)

Neuroscience

图片 (Image Data)



Western blot detection of Ionotropic Glutamate receptor 2 in C6 cell lysates using Ionotropic Glutamate receptor 2 antibody(1:1000 diluted).

注意事项 (Note)

For research use only .