

Glutamate receptor 1

Catalog No: #AP78825

Package Size: #AP78825-1 50ug #AP78825-2 100ug #AP78825-3 1mg

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Description

Product Name	Glutamate receptor 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Mouse
Immunogen Description	Recombinant protein
Other Names	Glur1,AMPA-selective glutamate receptor 1,GluR-A,GluR-K1,Glutamate receptor ionotropic, AMPA 1,GluA1
Accession No.	P23818Gene name:Gria1
Uniprot	P23818
GeneID	14799;
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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. 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.

References

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Note: This product is for in vitro research use only