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Goat anti-GRIA4, Biotinylated Antibody
Peptide-affinity purified goat antibody
Catalog # AF4475a

Specification

Goat anti-GRIA4, Biotinylated Antibody - Product Information

Application	**WB, Pep-ELISA**
Primary Accession	P48058
Other Accession	NP_000820.3, NP_001070711.1, NP_001070712.1
Reactivity	**Human, Mouse, Rat, Bovine**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**100871**

Goat anti-GRIA4, Biotinylated Antibody - Additional Information

Gene ID 2893

Other Names
GRIA4 ; glutamate receptor, ionotrophic, AMPA 4 ; GLUR4; GLUR4C; GLURD; AMPA-selective glutamate receptor 4

Dilution
WB~~1:1000
Pep-ELISA~~N/A

Format
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat anti-GRIA4, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-GRIA4, Biotinylated Antibody - Protein Information

Name GRIA4 {ECO:0000303|PubMed:29220673, ECO:0000312|HGNC:HGNC:4574}

Function
Ionotropic glutamate receptor that functions as a ligand- gated cation channel, gated by L-glutamate and glutamatergic agonists such as alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA), quisqualic acid, and kainic acid

(By similarity). L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system and plays an important role in fast excitatory synaptic transmission (By similarity). 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 upon entry of monovalent and divalent cations such as sodium and calcium. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist (By similarity). In the presence of CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of L-glutamate (PubMed:21172611).

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:P19493}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P19493} Postsynaptic cell membrane {ECO:0000250|UniProtKB:P19493}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P19493}. Cell projection, dendrite {ECO:0000250|UniProtKB:P19493}. Postsynaptic cell membrane {ECO:0000250|UniProtKB:P42262}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P42262}

Goat anti-GRIA4, Biotinylated Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat anti-GRIA4, Biotinylated Antibody - Images