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GABAA Rα6 Polyclonal Antibody
Catalog # AP70006

Specification

GABAA Rα6 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q16445
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

GABAA Rα6 Polyclonal Antibody - Additional Information

Gene ID 2559

Other Names
GABRA6; Gamma-aminobutyric acid receptor subunit alpha-6; GABA(A) receptor subunit alpha-6

Dilution
WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

GABAA Rα6 Polyclonal Antibody - Protein Information

Name GABRA6 (HGNC:4080)

Function
Alpha subunit of the heteropentameric ligand-gated chloride channel gated by gamma-aminobutyric acid (GABA), a major inhibitory neurotransmitter in the brain (PubMed:8632757). GABA-gated chloride channels, also named GABA(A) receptors (GABAAR), consist of five subunits arranged around a central pore and contain GABA active binding site(s) located at the alpha and beta subunit interface(s) (By similarity). When activated by GABA, GABAARs selectively allow the flow of chloride anions across the cell membrane down their electrochemical gradient (By similarity). Alpha-6/GABRA6 subunits are found at both synaptic and extrasynaptic sites (PubMed:8632757). Chloride influx into the postsynaptic neuron following GABAAR opening decreases the neuron ability to generate a new action potential, thereby reducing nerve transmission (By similarity). Extrasynaptic alpha-6-containing receptors contribute to the tonic GABAergic inhibition. Alpha-6 subunits are also present on glutamatergic synapses (By similarity).

Cellular Location
Postsynaptic cell membrane {ECO:0000250|UniProtKB:P30191}; Multi-pass membrane protein.

Cell membrane {ECO:0000250|UniProtKB:P30191}; Multi-pass membrane protein

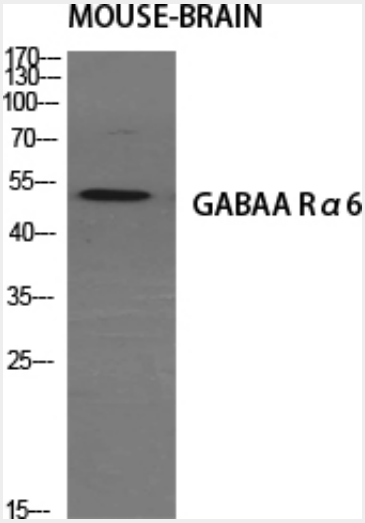
Tissue Location
Expressed in brain, in cerebellar granule cells.

GABAA Rα6 Polyclonal 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

GABAA Rα6 Polyclonal Antibody - Images



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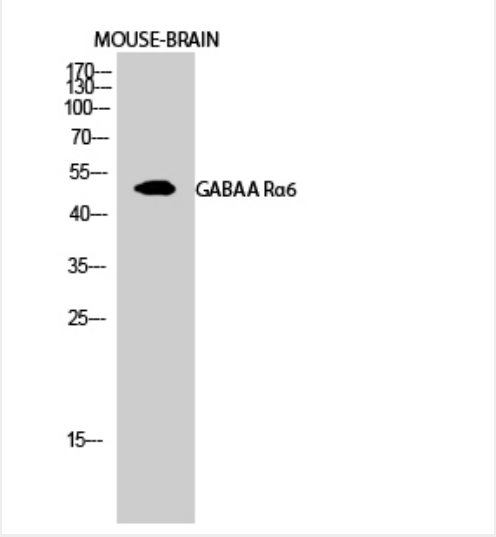

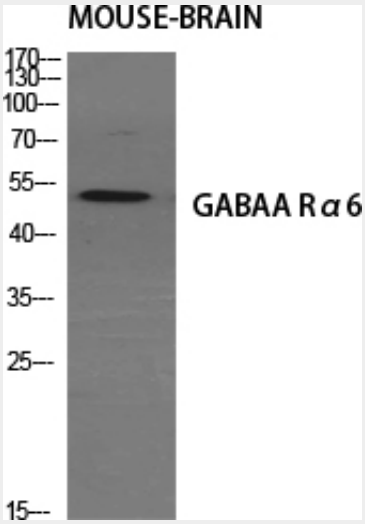

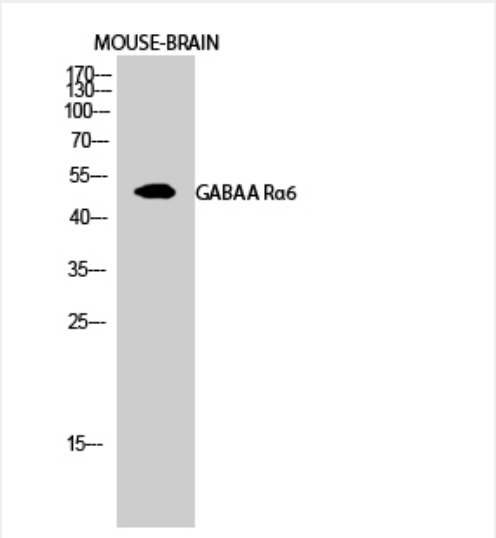

GABAA Rα6 Polyclonal Antibody - Background

GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.