

GABA A Receptor α 3 Polyclonal Antibody
Catalog # AP63679**Specification**

GABA A Receptor α 3 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P34903
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal

GABA A Receptor α 3 Polyclonal Antibody - Additional Information**Gene ID** 2556**Other Names**

Gamma-aminobutyric acid receptor subunit alpha-3 (GABA(A) receptor subunit alpha-3)

Dilution

WB~~WB 1:1000-2000, IHC 1:100-200

Format

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

Storage Conditions

-20°C

GABA A Receptor α 3 Polyclonal Antibody - Protein Information**Name** GABRA3 ([HGNC:4077](#))**Function**

Alpha subunit of the heteropentameric ligand-gated chloride channel gated by gamma-aminobutyric acid (GABA), a major inhibitory neurotransmitter in the brain (PubMed:[16412217](http://www.uniprot.org/citations/16412217)), PubMed:[29053855](http://www.uniprot.org/citations/29053855)). 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 (PubMed:[16412217](http://www.uniprot.org/citations/16412217)), PubMed:[29053855](http://www.uniprot.org/citations/29053855)). Chloride influx into the postsynaptic neuron following GABAAR opening decreases the neuron ability to generate a new action potential, thereby reducing nerve transmission (PubMed:[16412217](http://www.uniprot.org/citations/16412217)), PubMed:[29053855](http://www.uniprot.org/citations/29053855)).

Cellular Location

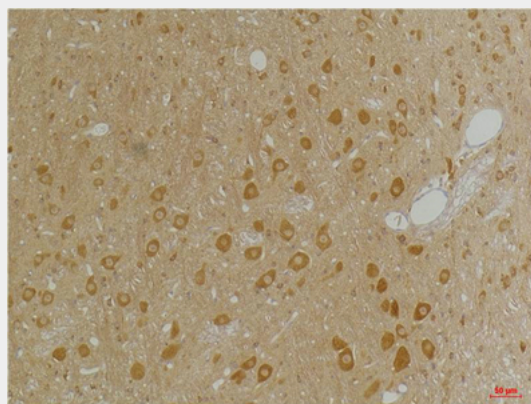
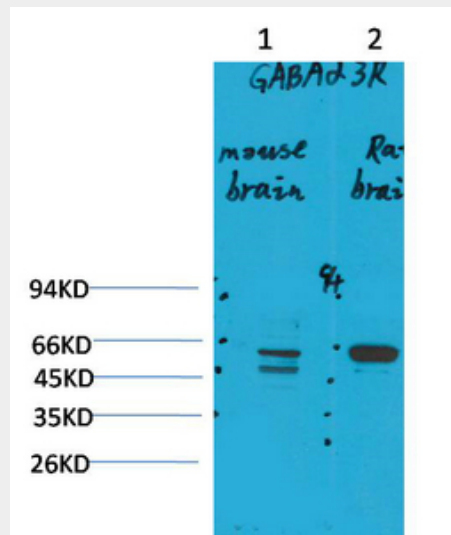
Postsynaptic cell membrane {ECO:0000250|UniProtKB:P14867}; Multi-pass membrane protein.
Cell membrane {ECO:0000250|UniProtKB:P14867}; Multi-pass membrane protein

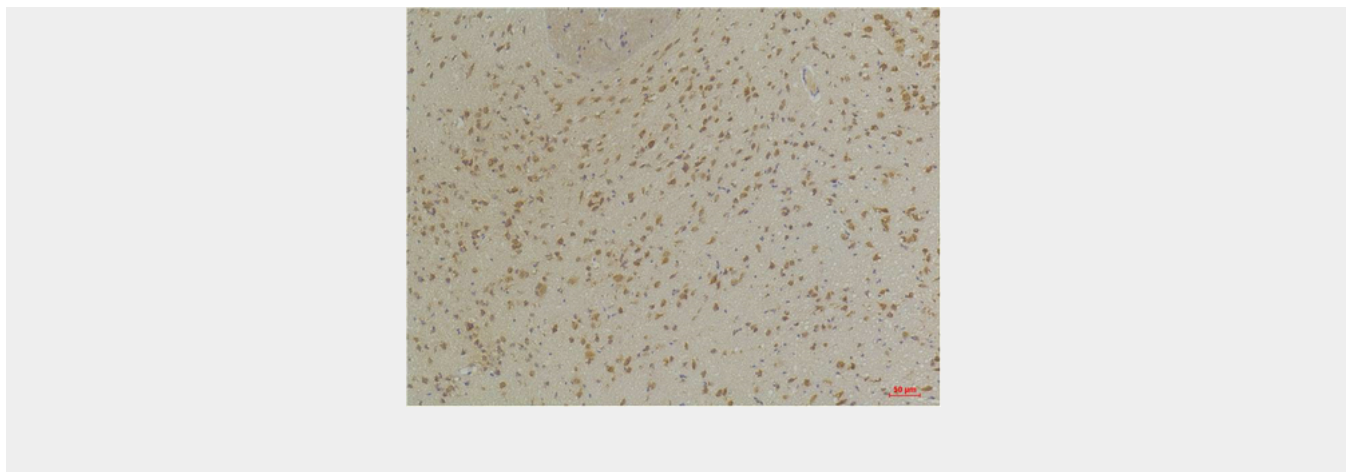
GABA A Receptor $\alpha 3$ Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GABA A Receptor $\alpha 3$ Polyclonal Antibody - Images





GABA A Receptor α 3 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.