

Gabra5 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10190**Specification**

Gabra5 antibody - middle region - Product Information

Application	WB
Primary Accession	Q8BHJ7
Other Accession	NM_176942 , NP_795916
Reactivity	Human, Mouse, Rat, Pig, Horse, Bovine, Dog
Predicted Host	Human, Pig, Chicken, Guinea Pig, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 52kDa KDa

Gabra5 antibody - middle region - Additional Information**Gene ID** 110886**Alias Symbol** **A230018I05Rik****Other Names**

Gamma-aminobutyric acid receptor subunit alpha-5, GABA(A) receptor subunit alpha-5, Gabra5

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Gabra5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Gabra5 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Gabra5 antibody - middle region - Protein Information**Name** Gabra5 {ECO:0000312|MGI:MGI:95617}**Function**

Alpha subunit of the heteropentameric ligand-gated chloride channel gated by gamma-aminobutyric acid (GABA), a major inhibitory neurotransmitter in the brain (PubMed:14993607). GABA-gated chloride channels, also named GABA(A) receptors (GABAAAR), 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, GABAAARs selectively allow the flow of chloride anions across the cell membrane down their electrochemical gradient (By similarity). GABAAARs containing alpha-5/GABRA5 are mainly extrasynaptic and contribute to the tonic

GABAergic inhibition of the hippocampus (PubMed:14993607). Extrasynaptic alpha-5-containing GABAARs in CA1 pyramidal neurons play a role in learning and memory processes (PubMed:14993607).

Cellular Location

Postsynaptic cell membrane {ECO:0000250|UniProtKB:P31644}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P31644}. Cell membrane {ECO:0000250|UniProtKB:P31644}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P31644}

Tissue Location

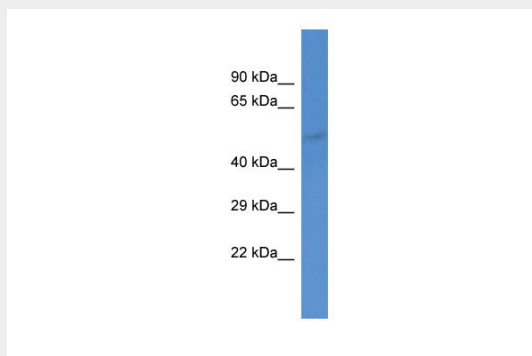
Expressed in brain, in hippocampal pyramidal neurons.

Gabra5 antibody - middle region - 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](#)

Gabra5 antibody - middle region - Images



WB Suggested Anti-Gabra5 Antibody

Titration: 1. µg/ml

Positive Control: Mouse liver