

Gabra5 antibody - middle region

Rabbit Polyclonal Antibody Catalog # AI10190

Product Information

Application WB Primary Accession Q8BHJ7

Other Accession <u>NM 176942, NP 795916</u>

ReactivityHuman, Mouse, Rat, Pig, Dog, Horse, Bovine **Predicted**Human, Pig, Chicken, Dog, Guinea Pig

Host Rabbit
Clonality Polyclonal
Calculated MW 52274

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.

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 (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). GABAARs 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).

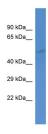
Cellular Location Postsynaptic cell membrane {ECO:0000250 | UniProtKB:P31644}; Multi-pass

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.

Images



WB Suggested Anti-Gabra5 Antibody Titration: 1. µg/ml Positive Control: Mouse liver

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