

GABRA6 (aa15-26) Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF3572a**Specification**

GABRA6 (aa15-26) Antibody (N-Term) - Product Information

Application	E
Primary Accession	Q16445
Other Accession	NP_000802.2 , 2559
Predicted	Human, Pig
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	51024

GABRA6 (aa15-26) Antibody (N-Term) - Additional Information**Gene ID** 2559**Other Names**

Gamma-aminobutyric acid receptor subunit alpha-6, GABA(A) receptor subunit alpha-6, GABRA6

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

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

GABRA6 (aa15-26) Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

GABRA6 (aa15-26) Antibody (N-Term) - 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.

GABRA6 (aa15-26) Antibody (N-Term) - 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](#)

GABRA6 (aa15-26) Antibody (N-Term) - Images**GABRA6 (aa15-26) Antibody (N-Term) - References**

Variation at the GABAA receptor gene, Rho 1 (GABRR1) associated with susceptibility to bipolar schizoaffective disorder. Green EK, Grozeva D, Moskvina V, Hamshere ML, Jones IR, Jones L, Forty L, Caesar S, Gordon-Smith K, Fraser C, Russell E, St Clair D, Young AH, Ferrier N, Farmer A, McGuffin P, Holmans PA, Owen MJ, O'Donovan MC, Craddock N. Am J Med Genet B Neuropsychiatr Genet. 2010 Oct 5;153B(7):1347-9. PMID: 20583128