

GABRB3 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2888a

Specification

GABRB3 Antibody (internal region) - Product Information

Application	IHC
Primary Accession	P28472
Other Accession	NP_000805.1 , NP_068712.1 , 2562 , 14402 (mouse) , 24922 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	54116

GABRB3 Antibody (internal region) - Additional Information

Gene ID 2562

Other Names

Gamma-aminobutyric acid receptor subunit beta-3, GABA(A) receptor subunit beta-3, GABRB3

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

GABRB3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

GABRB3 Antibody (internal region) - Protein Information

Name GABRB3

Function

Ligand-gated chloride channel which is a component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the brain (PubMed:18514161, PubMed:22303015, PubMed:26950270, PubMed:22243422, PubMed:<a

<http://www.uniprot.org/citations/24909990> target="_blank">24909990). Plays an important role in the formation of functional inhibitory GABAergic synapses in addition to mediating synaptic inhibition as a GABA-gated ion channel (PubMed:25489750). The gamma2 subunit is necessary but not sufficient for a rapid formation of active synaptic contacts and the synaptogenic effect of this subunit is influenced by the type of alpha and beta subunits present in the receptor pentamer (By similarity). The alpha1/beta3/gamma2 receptor exhibits synaptogenic activity (PubMed:25489750). The alpha2/beta3/gamma2 receptor shows very little or no synaptogenic activity (By similarity). Functions also as histamine receptor and mediates cellular responses to histamine (PubMed:18281286). Plays an important role in somatosensation and in the production of antinociception (By similarity).

Cellular Location

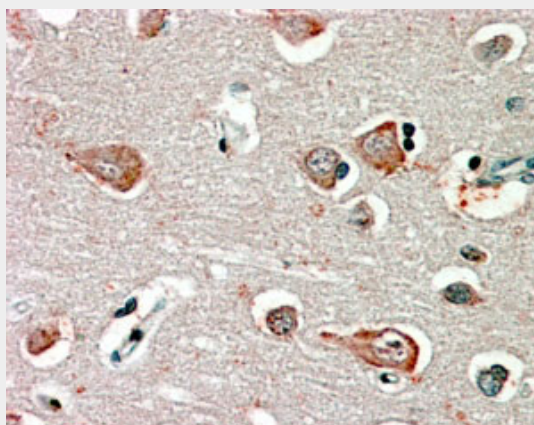
Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:P63079}

GABRB3 Antibody (internal 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](#)

GABRB3 Antibody (internal region) - Images



AF2888a (2.5 µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

GABRB3 Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_000805.1, NP_068712.1).

GABRB3 Antibody (internal region) - References

Hyperglycosylation and reduced GABA currents of mutated GABRB3 polypeptide in remitting childhood absence epilepsy. Tanaka M, Olsen RW, Medina MT, Schwartz E, Alonso ME, Duron RM, Castro-Ortega R, Martinez-Juarez IE, Pascual-Castroviejo I, Machado-Salas J, Silva R, Bailey JN, Bai D, Ochoa A, Jara-Prado A, Pineda G, Macdonald RL, Delgado-Escueta AV. Am. J. Hum. Genet. 2008 Jun 82 (6): 1249-61. PMID: 18514161