

GABRB2 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2887a**Specification**

GABRB2 Antibody (internal region) - Product Information

Application	E
Primary Accession	P47870
Other Accession	NP_068711.1 , NP_000804.1 , 2561 , 14401 (mouse), 25451 (rat)
Predicted Host	Human, Mouse, Rat, Dog, Cow
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	59150

GABRB2 Antibody (internal region) - Additional Information**Gene ID** 2561**Other Names**

Gamma-aminobutyric acid receptor subunit beta-2, GABA(A) receptor subunit beta-2, GABRB2

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

GABRB2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

GABRB2 Antibody (internal region) - Protein Information**Name** GABRB2**Function**

Ligand-gated chloride channel which is a component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the brain (PubMed:8264558, PubMed:19763268, PubMed:27789573, PubMed:29950725). 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:23909897, 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/beta2/gamma2 receptor and the alpha2/beta2/gamma2 receptor exhibit synaptogenic activity (PubMed:23909897, PubMed:25489750). Functions also as histamine receptor and mediates cellular responses to histamine (By similarity).

Cellular Location

Postsynaptic cell membrane {ECO:0000250|UniProtKB:P63137}; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:P63138}

Tissue Location

Isoform 1 and isoform 2 show reduced expression in schizophrenic brain. Isoform 3 shows increased expression in schizophrenic and bipolar disorder brains while isoform 4 shows reduced expression.

GABRB2 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](#)

GABRB2 Antibody (internal region) - Images

GABRB2 Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_068711.1; NP_000804.1).

GABRB2 Antibody (internal region) - References

Association of SNPs and haplotypes in GABAA receptor beta2 gene with schizophrenia. Lo WS, Lau CF, Xuan Z, Chan CF, Feng GY, He L, Cao ZC, Liu H, Luan QM, Xue H. Mol. Psychiatry 2004 Jun 9 (6): 603-8. PMID: 14699426