

Rabbit GABRB2 Polyclonal Antibody | anti-GABRB2 antibody

GABRB2 Antibody

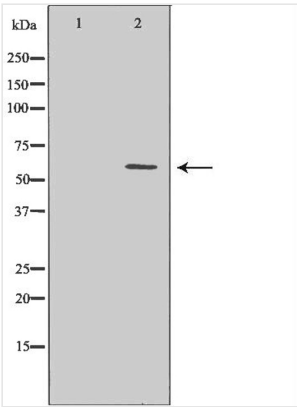
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326436	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GABRB2; Polyclonal Antibody; GABRB2 Antibody; GABA; GABA(A) receptor beta 2; GABA(A) receptor subunit beta-2; GABA-A receptor; beta-2 polypeptide; Gamma aminobutyric acid (GABA) A receptor; beta 2; Gamma aminobutyric acid A receptor beta 2; Gamma-aminobutyric acid receptor subunit beta-2; Gamma-aminobutyric acid receptor subunit beta-2; GBRB2_HUMAN; anti-GABRB2 antibody

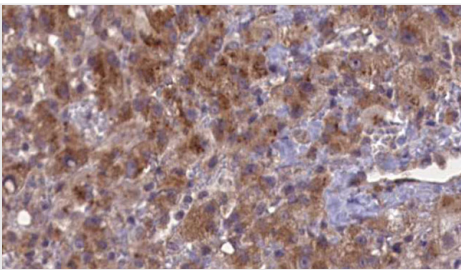
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GABRB2 antibody detects endogenous levels of total GABRB2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	474
Applicable Applications for anti-GABRB2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GABRB2
Subcellular Location	Cell Junction > Synapse > Postsynaptic Cell Membrane. Cell Membrane.
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog, Chicken
Similarity	Pig (92%), Bovine (83%), Horse (92%), Rabbit (83%), Dog (92%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis of extracts of mouse liver, using GABRB2 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326436 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-GABRB2 antibody	Description: The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes GABA A receptor, beta 2 subunit. It is mapped to chromosome 5q34 in a cluster comprised of genes encoding alpha 1 and gamma 2 subunits of the GABA A receptor. Alternative splicing of this gene generates 2 transcript variants, differing by a 114 bp insertion. Function: Component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the vertebrate brain. Functions also as histamine receptor and mediates cellular responses to histamine. Functions as receptor for diazepines and various anesthetics, such as pentobarbital; these are bound at a separate allosteric effector binding site. Functions as ligand-gated chloride channel. Subunit Structure: Heteropentamer, formed by a combination of alpha, beta, gamma, delta and rho chains (PubMed:8264558). Interacts with UBQLN1 (By similarity). Interacts with KCTD8, KCTD12 and KCTD16; this interaction determines the pharmacology and kinetics of the receptor response, the KCTD proteins markedly accelerating the GABA-B response, although to different extents (By similarity). May interact with KIF21B (By similarity). Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB2 sub-subfamily.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503865
NCBI GeneID	2561
NCBI Accession #	NP_000804.1
NCBI GenBank Nucleotide #	NM_000813.2
UniProt Accession #	P47870; Q16323; Q4FZB2; A8K115; A8K1A0; D1LYT0; D1LYT1
Molecular Weight	Observed: 59 kDa Predicted: 60 kDa
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit beta-2 isoform 2
NCBI Official Synonym Full Names	gamma-aminobutyric acid type A receptor beta2 subunit
NCBI Official Symbol	GABRB2
NCBI Official Synonym Symbols	ICEE2
NCBI Protein Information	gamma-aminobutyric acid receptor subunit beta-2
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit beta-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/gabrb2-antibody-immunohistochemistry-western-blot-elisa/326436>