

Rabbit GABA-RB Polyclonal Antibody | anti-GABA-RB antibody

GABA-RB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322253	Rabbit	Human, Mouse, Rat, Monkey	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GABA-RB; Polyclonal Antibody; GABA-RB Antibody; AW061132; B230208N19Rik; GABA(A) receptor beta 1; GABA(A) receptor subunit beta-1; GABA-A receptor; beta-1 polypeptide; Gabrb-1; GABRB1; Gamma aminobutyric acid (GABA) A receptor beta 1; Gamma Aminobutyric Acid A Receptor Beta 1; Gamma Aminobutyric Acid Receptor; beta-1; Gamma-aminobutyric acid (GABA) A receptor; subunit beta 1; Gamma-aminobutyric acid receptor subunit beta-1; GARB1; GBRB1_HUMAN; anti-GABA-RB antibody

PRODUCT SPECIFICATIONS

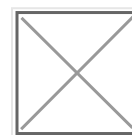
Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Isotype	IgG
Specificity	GABA-RB antibody detects endogenous levels of total GABA-RB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered 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-GABA-RB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GABA-RB
Subcellular Location	Cell Junction > Synapse > Postsynaptic Cell Membrane. Cell Membrane.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Rabbit, Dog
Similarity	Pig (100%), Zebrafish (82%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA322253 at 1/100 staining Mouse intestine 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.



IF (Immunofluorescence)

AAA322253 staining COS7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of GABA-RB expression in HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GABA-RB antibody	Description: GABRB1 GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel. 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 diazepam and various anesthetics, such as pentobarbital; these are bound at a separate allosteric effector binding site. Functions as ligand-gated chloride channel. Subunit Structure: Binds UBQLN1 (By similarity). Heteropentamer, formed by a combination of alpha, beta, gamma, delta and rho chains. 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). Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB1 sub-subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194097327
NCBI GeneID	2560
NCBI Accession #	NP_000803.2
NCBI GenBank Nucleotide #	NM_000812.3
UniProt Accession #	P18505; Q16166; Q8TBK3; B2R6U7; D6REL3
Molecular Weight	Observed: 54 kDa Predicted: 55 kDa
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit beta-1
NCBI Official Synonym Full Names	gamma-aminobutyric acid type A receptor beta1 subunit
NCBI Official Symbol	GABRB1
NCBI Official Synonym Symbols	EIEE45
NCBI Protein Information	gamma-aminobutyric acid receptor subunit beta-1
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit beta-1
UniProt Gene Name	GABRB1

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/gaba-rb-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322253>