

Rabbit GABRG2 Polyclonal Antibody | anti-GABRG2 antibody

GABRG2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326349	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

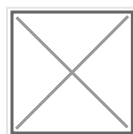
PRODUCT SYNONYMS

GABRG2; Polyclonal Antibody; GABRG2 Antibody; CAE 2; CAE2; ECA 2; ECA2; GABA(A) receptor gamma 2; GABA(A) receptor subunit gamma 2; GABA(A) receptor subunit gamma-2; GABRG 2; Gamma aminobutyric acid (GABA) A receptor gamma 2; Gamma aminobutyric acid A receptor gamma 2; Gamma aminobutyric acid receptor gamma 2 subunit; Gamma-aminobutyric acid receptor subunit gamma-2; GBRG2_HUMAN; GEFSP 3; GEFSP3; anti-GABRG2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GABRG2 antibody detects endogenous levels of total GABRG2
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	467
Applicable Applications for anti-GABRG2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human GABRG2
Subcellular Location	Cell Junction > Synapse > Postsynaptic Cell Membrane. Cell Membrane.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Bovine (83%), Horse (92%), Sheep (83%), Rabbit (100%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326349 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.



WB (Western Blot)

Western blot analysis of extracts of brain, using GABRG2 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GABRG2 antibody	Description: This gene encodes a gamma-aminobutyric acid (GABA) receptor. GABA is the major inhibitory neurotransmitter in the mammalian brain, where it acts at GABA-A receptors, which are ligand-gated chloride channels. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene have been associated with epilepsy and febrile seizures. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008] 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:2538761). Interacts with GABARAP (PubMed:9892355). Interacts with KIF21B (By similarity). Post-translational Modifications: Palmitoylated by ZDHHC3/GODZ; which may affect presynaptic clustering and/or cell surface stability. Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRG2 sub-subfamily.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	38788135
NCBI GeneID	2566
NCBI Accession #	NP_000807.2
NCBI GenBank Nucleotide #	NM_000816.3
UniProt Accession #	P18507; Q6GRL6; Q6PCC3; Q9UDB3; Q9UN15; F5HB82
Molecular Weight	Observed: 55 kDa Predicted: 55 kDa
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit gamma-2 isoform 2
NCBI Official Synonym Full Names	gamma-aminobutyric acid type A receptor gamma2 subunit
NCBI Official Symbol	GABRG2
NCBI Official Synonym Symbols	CAE2; ECA2; GEFSP3
NCBI Protein Information	gamma-aminobutyric acid receptor subunit gamma-2
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit gamma-2
UniProt Gene Name	GABRG2

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/gabrg2-antibody-immunohistochemistry-western-blot-elisa/326349>