

Rabbit GABRG1 Polyclonal Antibody | anti-GABRG1 antibody

GABRG1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321225	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

GABRG1; Polyclonal Antibody; GABRG1 Antibody; GABA(A) receptor subunit gamma 1; GabaA/BZ; GABRG 1; Gamma aminobutyric acid (GABA A) receptor subunit gamma 1; Gamma aminobutyric acid A receptor; gamma 1; GBRG1; anti-GABRG1 antibody

PRODUCT SPECIFICATIONS

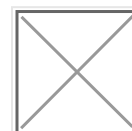
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GABRG1 antibody detects endogenous levels of GABRG1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	465
Applicable Applications for anti-GABRG1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GABRG1
Subcellular Location	Cell Junction, Synapse, Postsynaptic Cell Membrane; Multipass Membrane Protein.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis on LOVO cell lysate using GABRG1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321225 staining LOVO 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.

ADDITIONAL INFORMATION

Related Product Information for anti-GABRG1 antibody	Description: The protein encoded by this gene belongs to the ligand-gated ionic channel family. It is an integral membrane protein and plays an important role in inhibiting neurotransmission by binding to the benzodiazepine receptor and opening an integral chloride channel. This gene is clustered with three other family members on chromosome 4. Function: 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. Subunit Structure: Generally pentameric. There are five types of GABA(A) receptor chains: alpha, beta, gamma, delta, and rho. Post-translational Modifications: May be palmitoylated. Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRG1 sub-subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31742490
NCBI GeneID	2565
NCBI Accession #	NP_775807.2
NCBI GenBank Nucleotide #	NM_173536.3
UniProt Accession #	Q8N1C3; Q5H9T8
Molecular Weight	Observed: 54 kDa Predicted: 54 kDa
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit gamma-1
NCBI Official Synonym Full Names	gamma-aminobutyric acid type A receptor gamma1 subunit
NCBI Official Symbol	GABRG1
NCBI Protein Information	gamma-aminobutyric acid receptor subunit gamma-1
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit gamma-1
UniProt Gene Name	GABRG1

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gabrg1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321225>