

Rabbit GABRA4 Polyclonal Antibody | anti-GABRA4 antibody

GABRA4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324736	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

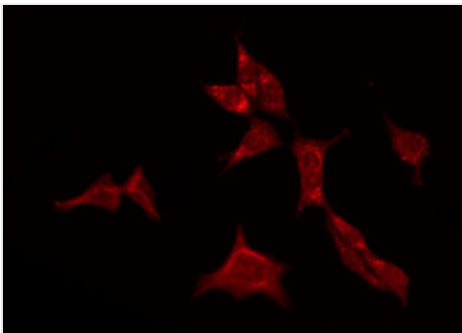
PRODUCT SYNONYMS

GABRA4; Polyclonal Antibody; GABRA4 Antibody; GABA(A) receptor subunit alpha 4; GABA(A) receptor subunit alpha-4; GABR A4; GABRA 4; Gabra4; Gamma aminobutyric acid (GABA) A receptor alpha 4; Gamma aminobutyric acid A receptor alpha 4; Gamma aminobutyric acid receptor alpha 4 subunit; Gamma aminobutyric acid receptor subunit alpha 4; Gamma-aminobutyric acid receptor subunit alpha-4; GBRA4_HUMAN; anti-GABRA4 antibody

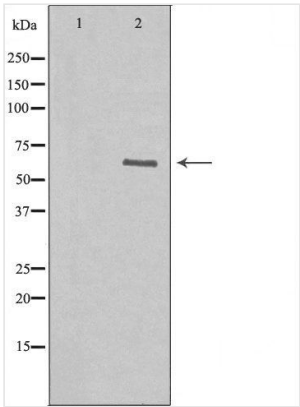
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GABRA4 antibody detects endogenous levels of total GABRA4
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	554
Applicable Applications for anti-GABRA4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Junction > Synapse > Postsynaptic Cell Membrane. Cell Membrane.
Tissue Specificity	The alpha4 beta2 gamma 2L receptor is not repressed by diazepam.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (88%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324736 staining HepG2 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 extracts from HepG2 cells, using GABRA4 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GABRA4 antibody	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. Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRA4 sub-subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34452723
NCBI GeneID	2557
NCBI Accession #	NP_000800.2
NCBI GenBank Nucleotide #	NM_000809.3
UniProt Accession #	P48169; Q8IYR7
Molecular Weight	Observed: 62 kD Predicted: 62 kDa
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit alpha-4 isoform 1
NCBI Official Synonym Full Names	gamma-aminobutyric acid type A receptor alpha4 subunit
NCBI Official Symbol	GABRA4
NCBI Protein Information	gamma-aminobutyric acid receptor subunit alpha-4
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit alpha-4
UniProt Gene Name	GABRA4

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.