

Rabbit GABAA R alpha1 Polyclonal Antibody | anti-GABRA1 antibody

GABAA R alpha1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327514	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GABAA R alpha1; Polyclonal Antibody; GABAA R alpha1 Antibody; ECA4; EIEE19; EJM; EJM5; Gaba receptor alpha 1 polypeptide; GABA(A) receptor; GABA(A) receptor subunit alpha 1; GABA(A) receptor subunit alpha-1; alpha 1; GABRA 1; GABRA1; Gamma aminobutyric acid (GABA) A receptor alpha 1; Gamma aminobutyric acid A receptor alpha 1; Gamma aminobutyric acid receptor subunit alpha 1; Gamma aminobutyric acid type A receptor alpha1 subunit; Gamma-aminobutyric acid receptor subunit alpha-1; GBRA1_HUMAN; anti-GABRA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GABAA R alpha1 antibody detects endogenous levels of total GABAA R alpha1
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	456
Applicable Applications for anti-GABRA1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GABAA R alpha1
Subcellular Location	Cell Junction > Synapse > Postsynaptic Cell Membrane. Cell Membrane.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327514 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 GABAA R alpha1 using HeLa whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-GABRA1 antibody	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 (By similarity). Subunit Structure: Heteropentamer, formed by a combination of alpha, beta, gamma, delta and rho chains. Interacts with UBQLN1. Interacts with TRAK1. Interacts with KIF21B. Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRA1 sub-subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38327554
NCBI GeneID	2554
NCBI Accession #	NP_000797.2
NCBI GenBank Nucleotide #	NM_000806.5
UniProt Accession #	P14867; Q8N629; D3DQK6
Molecular Weight	Observed: 51 kDa Predicted: 52 kDa
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit alpha-1
NCBI Official Synonym Full Names	gamma-aminobutyric acid type A receptor alpha1 subunit
NCBI Official Symbol	GABRA1
NCBI Official Synonym Symbols	EJM; ECA4; EJM5; EIEE19
NCBI Protein Information	gamma-aminobutyric acid receptor subunit alpha-1
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit alpha-1
UniProt Gene Name	GABRA1

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.