

Rabbit GABA A Receptor alpha 1 Polyclonal Antibody | anti-GABRA1 antibody

Anti-GABA A Receptor alpha 1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45049	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GABA A Receptor alpha 1; Polyclonal Antibody; Anti-GABA A Receptor alpha 1 antibody; Gamma-aminobutyric acid receptor subunit alpha-1; gamma-aminobutyric acid(GABA) A receptor; alpha 1; ECA4 antibody; EJM antibody; EJM5 antibody; Gaba receptor alpha 1 polypeptide antibody; GABA(A) receptor antibody; GABA(A) receptor subunit alpha 1 antibody; GABA(A) receptor subunit alpha-1 antibody; GABA(A) receptor; alpha 1 antibody; GABRA 1 antibody; GABRA1 antibody; Gamma aminobutyric acid(GABA) A receptor alpha 1 antibody; Gamma aminobutyric acid A receptor alpha 1 antibody; Gamma aminobutyric acid receptor subunit alpha 1 antibody; Gamma-aminobutyric acid receptor subunit alpha-1 antibody; GBRA1_HUMAN antibody; anti-GABRA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	456
Applicable Applications for anti-GABRA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human GABA A Receptor alpha 1 (440-456aa ATYLNREPQLKAPTPHQ), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti-GABA A Receptor alpha 1 antibody, AAA45049, IHC(P)IHC(P): Rat Brain Tissue



WB (Western Blot)

Anti-GABA A Receptor alpha 1 antibody, AAA45049, Western blottingLane 1: Rat Brain Tissue LysateLane 2: Rat Brain Tissue Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-GABRA1 antibody	Description: Rabbit IgG polyclonal antibody for Gamma-aminobutyric acid receptor subunit alpha-1(GABRA1) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: GABRA1, Gamma-aminobutyric acid receptor subunit alpha-1, is a protein that in humans is encoded by the GABRA1 gene. The 1,055-bp GABRA1 clone contained an open reading frame and 260 nucleotides in the 5-prime noncoding region. The 351-amino acid sequence shows 97% homology with its bovine counterpart. GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. At least 16 distinct subunits of GABA-A receptors have been identified.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27808653
NCBI GeneID	2554
UniProt Accession #	P14867; Q8N629; D3DQK6
Molecular Weight	51,802 Da
NCBI Official Full Name	Gamma-aminobutyric acid receptor subunit alpha-1
NCBI Official Synonym Full Names	gamma-aminobutyric acid (GABA) A receptor, alpha 1
NCBI Official Symbol	GABRA1
NCBI Official Synonym Symbols	EJM; ECA4; EJM5; EIEE19
NCBI Protein Information	gamma-aminobutyric acid receptor subunit alpha-1; GABA(A) receptor, alpha 1; GABA(A) receptor subunit alpha-1
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit alpha-1
UniProt Gene Name	GABRA1
UniProt Entry Name	GBRA1_HUMAN

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/gaba-a-receptor-alpha-1-antibody-immunohistochemistry-western-blot-elisa/45049>