Rabbit GABA A Receptor alpha4 Polyclonal Antibody | anti-GABRA4 antibody

GABA A Receptor alpha4 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA173697	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

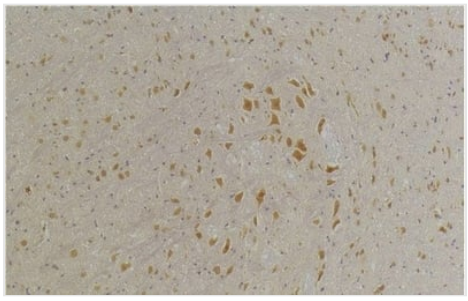
PRODUCT SYNONYMS

GABA A Receptor alpha4; Polyclonal Antibody; GABA A Receptor alpha4 Polyclonal Antibody; Gamma-aminobutyric acid receptor subunit alpha-4; GABA(A) receptor subunit alpha-4; anti-GABRA4 antibody

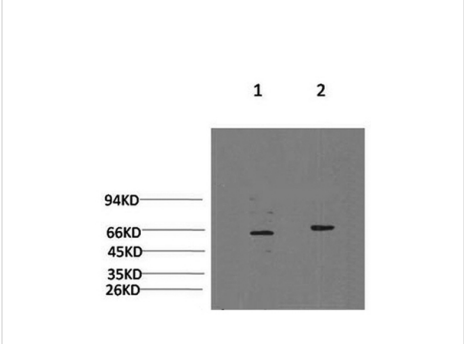
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/mL (varies by lot)
Sequence Length	554
Applicable Applications for anti-GABRA4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic Peptide
Buffer	PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded Mouse brain tissue using GABA A Receptor alpha4 Polyclonal Antibody at dilution of 1:200.



WB (Western Blot)
Western Blot analysis of 1) Mouse brain, 2)Rat brain using GABA A Receptor alpha4 Polyclonal Antibody at dilution of 1:2000.

ADDITIONAL INFORMATION

Related Product Information for anti-GABRA4 antibody	Gamma-aminobutyric acid (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. This gene encodes subunit alpha-4, which is involved in the etiology of autism and eventually increases autism risk through interaction with another subunit, gamma-aminobutyric acid receptor beta-1 (GABRB1). Alternatively spliced transcript variants encoding different isoforms have been found in this gene.GABRA4 (Gamma-Aminobutyric Acid Type A Receptor Alpha4 Subunit) is a Protein Coding gene. Diseases associated with GABRA4 include Status Epilepticus and Autism Spectrum Disorder. Among its related pathways are Ligand-gated ion channel transport and Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds. GO annotations related to this gene include chloride channel activity and GABA-A receptor activity. An important paralog of this gene is GABRA6.

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	62kDa
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.

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Online datasheet: https://www.aaabiotech.com/polyclonal/gaba-a-receptor-alpha4-antibody-immunohistochemistry-western-blot-elisa/173697