Goat GABRA4 Polyclonal Antibody | anti-GABRA4 antibody

Goat Polyclonal to Human GABRA4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50921	**Goat**	**Gibbon, Gorilla, HumanPredicted Reactivity: Monkey, Bovine (at least 90% immunogen sequence identity)**	**ELISA, Western Blot, Immunohistochemistry**

PRODUCT SYNONYMS

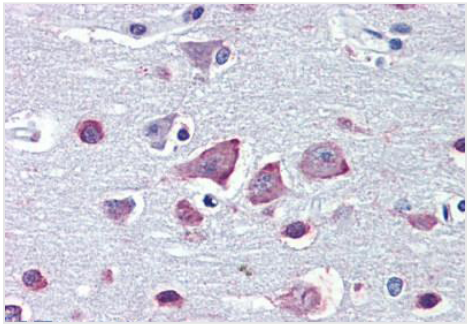
GABRA4; Polyclonal Antibody; Goat Polyclonal to Human GABRA4; Anti-GABRA4 Antibody (Internal) IHC-plus; GABA A receptor alpha 4; GABA(A) receptor; alpha 4; Human GABRA4; anti-GABRA4 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Gibbon, Gorilla, Human **Predicted Reactivity:** Monkey, Bovine (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human GABRA4.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	554
Applicable Applications for anti-GABRA4 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-EKAKRKTSKPPQE from an internal region of human GABRA4 (NP_000800.2). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%); Marmoset, Elephant, Bovine (92%); Rabbit, Opossum (85%).
Immunogen Type	Synthetic peptide
Immunogen	GABRA4 antibody was raised against synthetic peptide C-EKAKRKTSKPPQE from an internal region of human GABRA4 (NP_000800.2). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%); Marmoset, Elephant, Bovine (92%); Rabbit, Opossum (85%).
Antigen Modification	Internal
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES

WB (Western Blot)
Antibody (0.1 ug/ml) staining of Human Frontal Cortex lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)
Anti-GABRA4 antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-GABRA4 antibody	Gamma-aminobutyric acid (GABA) is the primary inhibitory neurotransmitter in the central nervous system, causing a hyperpolarization of the membrane through the opening of a Cl- channel associated with the GABA-A receptor subtype. GABA-A receptors are important therapeutic targets for a range of sedative, anxiolytic, and hypnotic agents and are implicated in several diseases including epilepsy, anxiety, depression, and substance abuse. The GABA-A receptor is a multimeric subunit complex.
Product Categories/Family for anti-GABRA4 antibody	Family: Ion Channel; Subfamily: GABA A receptor

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	61,623 Da
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit alpha-4 isoform 1
NCBI Official Synonym Full Names	gamma-aminobutyric acid (GABA) A receptor, alpha 4
NCBI Official Symbol	GABRA4
NCBI Protein Information	gamma-aminobutyric acid receptor subunit alpha-4; GABA(A) receptor, alpha 4; gamma-aminobutyric acid A receptor alpha 4
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit alpha-4
UniProt Gene Name	**GABRA4**
UniProt Entry Name	GBRA4_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/gabra4-antibody-western-blot-immunohistochemistry-elisa/50921