

Rabbit anti-Human GABRA4 Polyclonal Antibody | anti-GABRA4 antibody

GABRA4 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286287	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GABRA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 350-377 amino acids from the Central region of human GABRA4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	350-377
Sequence Length	554
Applicable Applications for anti-GABRA4 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

GABRA4 Antibody (Center) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

GABRA4 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GABRA4 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of GABRA4 Antibody (Center) in CEM cell line lysates (35ug/lane).
GABRA4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GABRA4 antibody	GABRA4 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.
Product Categories/Family for anti-GABRA4 antibody	Neuroscience
References	Guilmatre,A., et.al., Arch. Gen. Psychiatry 66 (9), 947-956 (2009) Maldonado-Aviles,J.G., et.al., Am J Psychiatry 166 (4), 450-459 (2009) Agrawal,A., et.al., Addiction 104 (3), 471-477 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	34452723
NCBI GeneID	2557
NCBI Accession #	NP_000800.2; NP_001191195.1; NP_001191196.1
NCBI GenBank Nucleotide #	NM_000809.3
UniProt Accession #	P48169; Q8IYR7
Molecular Weight	61623
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
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-flow-cytometry-immunohistochemistry-western-blot-elisa/286287>