

Rabbit GABRA2 Polyclonal Antibody | anti-GABRA2 antibody

GABRA2 Antibody (C-term)

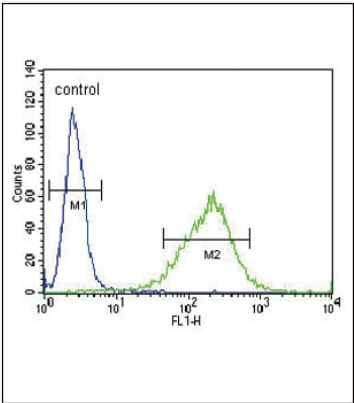
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283642	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

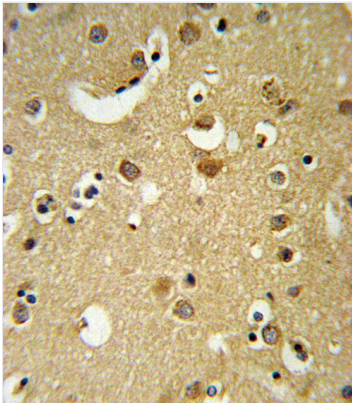
GABRA2; Polyclonal Antibody; GABRA2 Antibody (C-term); Gamma-aminobutyric acid receptor subunit alpha-2; GABA(A) receptor subunit alpha-2; anti-GABRA2 antibody

PRODUCT SPECIFICATIONS

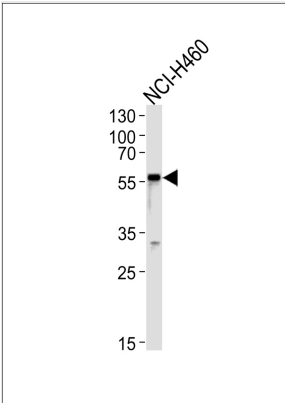
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GABRA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 378-406 amino acids from the C-terminal region of human GABRA2.
Purity/Purification	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: 0.4 (varies by lot)
Sequence Positions	378-406
Sequence Length	451
Applicable Applications for anti-GABRA2 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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.



FCM/FACS (Flow Cytometry)
GABRA2 Antibody (C-term) flow cytometric analysis of NCI-H460 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)
GABRA2 Antibody (C-term) 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 GABRA2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
GABRA2 Antibody (C-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the GABRA2 antibody detected the GABRA2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GABRA2 antibody	GABRA2 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.
Product Categories/Family for anti-GABRA2 antibody	Crown Antibodies; Neuroscience
References	Das,S., et.al., Stat Med 29 (11), 1250-1258 (2010) Bierut,L.J., et.al., Proc. Natl. Acad. Sci. U.S.A. 107 (11), 5082-5087 (2010) Dixon,C.I., et.al., Proc. Natl. Acad. Sci. U.S.A. 107 (5), 2289-2294 (2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	167000751
NCBI GeneID	2555
NCBI Accession #	NP_000798.2; NP_001107647.1
NCBI GenBank Nucleotide #	NM_000807.2
UniProt Accession #	P47869; Q59G14; A8K0U7; B7Z1H8

Molecular Weight	51326
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit alpha-2 isoform a
NCBI Official Synonym Full Names	gamma-aminobutyric acid (GABA) A receptor, alpha 2
NCBI Official Symbol	GABRA2
NCBI Protein Information	gamma-aminobutyric acid receptor subunit alpha-2
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit alpha-2
UniProt Gene Name	GABRA2
UniProt Entry Name	GBRA2_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://www.aaabiotech.com/polyclonal/gabra2-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/283642>