Rabbit GABA-B Receptor Polyclonal Antibody | anti-GABBR1 antibody

GABA-B Receptor Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287880	**Rabbit**	**Human, mouse, rat**	**Immunohistochemistry, ELISA, Western Blot**

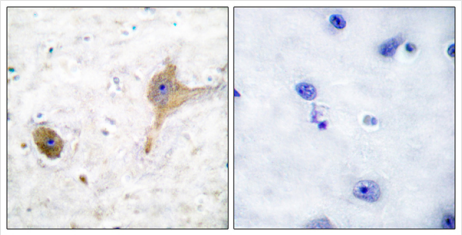
PRODUCT SYNONYMS

GABA-B Receptor; Polyclonal Antibody; GABA-B Receptor Antibody; Gamma-aminobutyric acid type B receptor subunit 1; GABA-B receptor 1; GABA-B-R1; GABA-BR1; GABABR1; Gb1; GABBR1; GPRC3A; anti-GABBR1 antibody

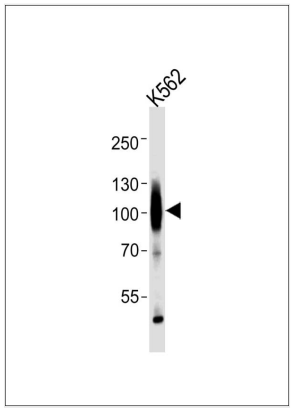
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Positions	892-926
Sequence Length	578
Applicable Applications for anti-GABBR1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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



IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded human brain tissue using GABA B Receptor antibody.



WB (Western Blot)
Western blot analysis of lysates from K562 cell line,using GABA-B Receptor Antibody(C0198). C0198 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-GABBR1 antibody	Component of a heterodimeric G-protein coupled receptor for GABA, formed by GABBR1 and GABBR2. Within the heterodimeric GABA receptor, only GABBR1 seems to bind agonists, while GABBR2 mediates coupling to G proteins. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase, stimulates phospholipase A2, activates potassium channels, inactivates voltage-dependent calcium-channels and modulates inositol phospholipid hydrolysis. Calcium is required for high affinity binding to GABA. Plays a critical role in the fine-tuning of inhibitory synaptic transmission. Pre-synaptic GABA receptor inhibits neurotransmitter release by down-regulating high-voltage activated calcium channels, whereas postsynaptic GABA receptor decreases neuronal excitability by activating a prominent inwardly rectifying potassium (Kir) conductance that underlies the late inhibitory postsynaptic potentials. Not only implicated in synaptic inhibition but also in hippocampal long-term potentiation, slow wave sleep, muscle relaxation and antinociception. Activated by (-)-baclofen, cgp27492 and blocked by phaclofen.
Product Categories/Family for anti-GABBR1 antibody	Neuroscience
References	Kaupmann K.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:14991-14996(1998). White J.H.,et al.Nature 396:679-682(1998). Stropp U.,et al.Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases. Grifa A.,et al.Biochem. Biophys. Res. Commun. 250:240-245(1998). Goei V.L.,et al.Biol. Psychiatry 44:659-666(1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835015
NCBI GeneID	2550
NCBI Accession #	NP_001461.1
NCBI GenBank Nucleotide #	NM_001470.2
UniProt Accession #	Q9UBS5; O95375; O95468; O95975; O96022; Q5STL4; Q5SUJ8; Q5SUL3; Q71SG6; Q86W60; Q9UQQ0; B0UXY7
Molecular Weight	108320
NCBI Official Full Name	gamma-aminobutyric acid type B receptor subunit 1 isoform a
NCBI Official Synonym Full Names	gamma-aminobutyric acid (GABA) B receptor, 1
NCBI Official Symbol	GABBR1
NCBI Official Synonym Symbols	GB1; GPRC3A; GABABR1; GABBR1-3; dJ271M21.1.1; dJ271M21.1.2
NCBI Protein Information	gamma-aminobutyric acid type B receptor subunit 1
UniProt Protein Name	Gamma-aminobutyric acid type B receptor subunit 1
UniProt Gene Name	**GABBR1**
UniProt Synonym Gene Names	GPRC3A; GABA-B receptor 1; GABA-B-R1; GABA-BR1; GABABR1; Gb1
UniProt Entry Name	GABR1_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-b-receptor-antibody-immunohistochemistry-western-blot-elisa/287880