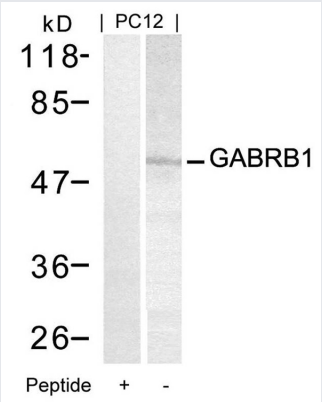
GABRB1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GABRB1, Polyclonal Antibody
Full Product Name	GABRB1 (Ab-434) Antibody
Product Gene Name	anti-GABRB1 antibody
Product Synonym Names	GABA(A) receptor; GABA(A)R beta-1; GBRB1; GABA-RB
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous level of total GABRB1 protein.
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.
Molecular Weight	10,151 Da
OMIM	137190
3D Structure	ModBase 3D Structure for P18505
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.432~436 (R-A-S-Q-L) derived from Human GABRB1.
Target Name	GABRB1
Product Categories/Family for anti-GABRB1 antibody	Total protein Ab
Applications Tested/Suitable for anti-GABRB1 antibody	Western Blot (WB)
Application Notes for anti-GABRB1 antibody	Western blotting: 1:500~1:1000
Related Product Information for anti-GABRB1 antibody	The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes GABA A receptor, beta 1 subunit. It is mapped to chromosome 4p12 in a cluster comprised of genes encoding a 4, a 2 and gamma 1 subunits of the GABA A receptor. Alteration of this gene is implicated in the pathogenetics of schizophrenia.
Other Notes	Small volumes of anti-GABRB1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GABRB1 purchase	MBS9401148 is an antibody targeting GABRB1. Also known as GABRB1 (Ab-434) Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-GABRB1 antibody
Western blot analysis of extracts from PC12 cells using GABRB1(Ab-434) Antibody and the same antibody preincubated with blocking peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GABRB1. It may not necessarily be applicable to this product.

NCBI GI #	194097327
NCBI GeneID	2560
NCBI Accession #	NP_000803.2
UniProt Primary Accession #	P18505
UniProt Secondary Accession #	Q16166; Q8TBK3; B2R6U7; D6REL3
UniProt Related Accession #	P18505
GenBank Nucleotide #	NM_000812.3
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit beta-1
NCBI Official Synonym Full Names	gamma-aminobutyric acid (GABA) A receptor, beta 1
NCBI Official Symbol	GABRB1
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit beta-1
UniProt Synonym Protein Names	GABA(A) receptor subunit beta-1
Protein Family	Gamma-aminobutyric acid receptor
UniProt Gene Name	GABRB1
UniProt Entry Name	GBRB1_HUMAN
NCBI Protein Information	gamma-aminobutyric acid receptor subunit beta-1
NCBI Summary for GABRB1	The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes GABA A receptor, beta 1 subunit. It is mapped to chromosome 4p12 in a cluster comprised of genes encoding alpha 4, alpha 2 and gamma 1 subunits of the GABA A receptor. Alteration of this gene is implicated in the pathogenetics of schizophrenia. [provided by RefSeq, Jul 2008]

UniProt Comments for GABRB1	GABRB1: GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel. Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB1 sub-subfamily. Protein type: Channel, chloride; Membrane protein, integral; Membrane protein, multi-pass; Transporter; Transporter, ion channel; Channel, ligand-gated Chromosomal Location of Human Ortholog: 4p12 Cellular Component: postsynaptic membrane; integral to plasma membrane; plasma membrane; cell junction Molecular Function: chloride channel activity; GABA-A receptor activity; ligand-gated ion channel activity; extracellular ligand-gated ion channel activity Biological Process: synaptic transmission; transport; ion transport; signal transduction; transmembrane transport
Research Articles on GABRB1	**1.** Both mRNA and protein of GABAB receptor subunits, GABAB1 and GABAB2, were co-expressed in cultured human RPE cells; GABAB receptors regulate the [Ca2+]i via a pertussis toxin-sensitive Gi/o-protein pathway and a phospholipase C pathway
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/gabrb1/9401148