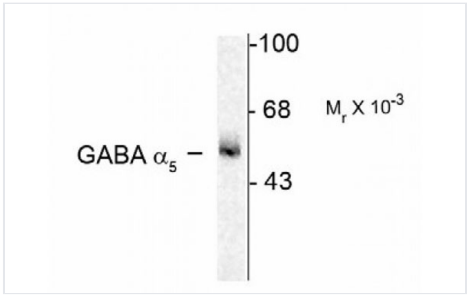
GABRA5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GABRA5, Polyclonal Antibody
Full Product Name	GABRA5 antibody
Product Gene Name	anti-GABRA5 antibody
Product Synonym Names	Polyclonal GABRA5; Anti-GABRA5; GABRA 5; GABRA-5; GABRA5; Gamma-Aminobutyric Acid; Gaba A Receptor Alpha 5; MGC138184
Clonality	Polyclonal
Host	Rabbit
Form/Format	Supplied in liquid form in 10 mM HEPES buffer (pH 7.5), 150 mM NaCl, 100 ug per ml BSA and 50% glycerol
Purity/Purification	GABRA5 antibody was purified by affinity chromatography
Molecular Weight	52,146 Da
OMIM	137142
Product Categories/Family for anti-GABRA5 antibody	Neuroscience; Purified Polyclonal Antibodies
Applications Tested/Suitable for anti-GABRA5 antibody	Western Blot (WB)
Application Notes for anti-GABRA5 antibody	WB: 1:1000
Related Product Information for anti-GABRA5 antibody	MBS5303217 is an antibody targeting GABRA5. Also known as GABRA5 antibody. Host: Rabbit. Rabbit polyclonal GABRA5 antibody
Other Notes	Small volumes of anti-GABRA5 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.



Western Blot (WB) of anti-GABRA5 antibody
Western blot of 7 ug of rat hippocampus (Hipp) showing specific immunolabeling of ~55k alpha5 subunit of the GABAA receptor

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GABRA5. It may not necessarily be applicable to this product.

NCBI GI #	259013560
NCBI GeneID	2558

NCBI Accession #	NP_001158509.1
UniProt Secondary Accession #	Q14DC2; Q53XL6; Q9NYT3; Q9NYT4; Q9NYT5; A8K338
UniProt Related Accession #	P31644; AAB22608
GenBank Nucleotide #	NM_001165037.1
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit alpha-5
NCBI Official Synonym Full Names	gamma-aminobutyric acid (GABA) A receptor, alpha 5
NCBI Official Symbol	GABRA5
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit alpha-5
UniProt Synonym Protein Names	GABA(A) receptor subunit alpha-5
Protein Family	Gamma-aminobutyric acid receptor
UniProt Gene Name	GABRA5
UniProt Entry Name	GBRA5_HUMAN
NCBI Protein Information	gamma-aminobutyric acid receptor subunit alpha-5
NCBI Summary for GABRA5	GABA 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. Transcript variants utilizing three different alternative non-coding first exons have been described. [provided by RefSeq, Jul 2008]
UniProt Comments for GABRA5	GABRA5: 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. GABRA5 sub-subfamily. Protein type: Transporter; Transporter, ion channel; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 15q12 Cellular Component: postsynaptic membrane; integral to plasma membrane; dendrite; plasma membrane; cell junction; receptor complex Molecular Function: chloride channel activity; GABA-A receptor activity; transporter activity; GABA receptor binding; receptor activity; extracellular ligand-gated ion channel activity Biological Process: synaptic transmission; sensory perception of sound; behavioral fear response; transport; inner ear receptor cell development; negative regulation of neuron apoptosis; brain development; signal transduction; transmembrane transport; associative learning; gamma-aminobutyric acid signaling pathway
Research Articles on GABRA5	**1.** Findings provide genetic evidence for the involvement of the genes GABRB3 and GABRA5 in the susceptibility to panic disorder
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