GABRA3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GABRA3, Polyclonal Antibody
Full Product Name	GABRA3 Polyclonal Antibody
Product Gene Name	anti-GABRA3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	55kDa
OMIM	305660
3D Structure	ModBase 3D Structure for P34903
Immunogen	Recombinant protein of human GABRA3 (NP_000799.1).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GABRA3 antibody	Western Blot (WB)
Application Notes for anti-GABRA3 antibody	WB: 1:500-1:2000
Related Product Information for anti-GABRA3 antibody	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.
Other Notes	Small volumes of anti-GABRA3 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 GABRA3 purchase	MBS8566940 is an antibody targeting GABRA3. Also known as GABRA3 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GABRA3. It may not necessarily be applicable to this product.

NCBI GI #	4557603
NCBI GeneID	2556
NCBI Accession #	NP_000799.1
UniProt Primary Accession #	P34903

UniProt Related Accession #	P34903
GenBank Nucleotide #	NP_000799.1
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit alpha-3
NCBI Official Synonym Full Names	gamma-aminobutyric acid type A receptor alpha3 subunit
NCBI Official Symbol	GABRA3
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit alpha-3
UniProt Synonym Protein Names	GABA(A) receptor subunit alpha-3
Protein Family	Gamma-aminobutyric acid receptor
UniProt Gene Name	GABRA3
UniProt Entry Name	GBRA3_HUMAN
NCBI Protein Information	gamma-aminobutyric acid receptor subunit alpha-3
UniProt Comments for GABRA3	GABRA3: 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. GABRA3 sub-subfamily. Protein type: Membrane protein, integral; Transporter; Membrane protein, multi-pass; Transporter, ion channel Chromosomal Location of Human Ortholog: Xq28 Cellular Component: postsynaptic membrane; integral to plasma membrane; plasma membrane; cell junction Molecular Function: chloride channel activity; GABA-A receptor activity; benzodiazepine receptor activity; extracellular ligand-gated ion channel activity Biological Process: synaptic transmission; transport; transmembrane transport; gamma-aminobutyric acid signaling pathway
Research Articles on GABRA3	**1.** The GABRA3 found distribute in intercalated nucleui of amygdala and dentate gyrus.
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