GABAA RBETA1 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	GABAA Rbeta1, Polyclonal Antibody
Full Product Name	GABAA Rbeta1 (phospho Ser434) Polyclonal Antibody
Product Gene Name	anti-GABAA Rbeta1 antibody
Clonality	Polyclonal
Molecular Weight	10,151 Da
OMIM	137190
3D Structure	ModBase 3D Structure for P18505
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-GABAA Rbeta1 antibody	MBS8520350 is an antibody targeting GABAA Rbeta1. Also known as GABAA Rbeta1 (phospho Ser434) Polyclonal Antibody.
Other Notes	Small volumes of anti-GABAA Rbeta1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GABAA Rbeta1. 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 type A receptor beta1 subunit
NCBI Official Symbol	GABRB1
NCBI Official Synonym Symbols	EIEE45
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit beta-1
UniProt Synonym Protein Names	GABA(A) receptor subunit beta-1
UniProt Gene Name	GABRB1
NCBI Protein Information	gamma-aminobutyric acid receptor subunit beta-1

NCBI Summary for GABAA Rbeta1	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 GABAA Rbeta1	Component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the vertebrate brain. Functions also as histamine receptor and mediates cellular responses to histamine. Functions as receptor for diazepines and various anesthetics, such as pentobarbital; these are bound at a separate allosteric effector binding site. Functions as ligand-gated chloride channel.
Research Articles on GABAA Rbeta1	**1.** Results from genome-wide DNA methylation, functional network analysis and pyrosequencing, show selective CpG sites (NOS1AP, BID, and GABRB1) differentially methylated in smokers and chronic obstructive pulmonary disease patients compared to nonsmokers.
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