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phospho-Gabrb3 (S408/409) Rabbit pAb

Catalog # AP96705

Product Information

Application	WB
Primary Accession	P63079
Other Accession	P63079
Reactivity	Rat, Mouse
Predicted	Human, Zebrafish, Chicken, Xenopus
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54 KDa
Physical State	Liquid
Immunogen	KLH conjugated Synthesised phosphopeptide derived from rat Gabrb3 around the phosphorylation site of Ser408/409
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 □g per ml BSA and 50% glycerol.
SIMILARITY	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB3 sub-subfamily.
SUBUNIT	Heteropentamer, formed by a combination of alpha, beta, gamma, delta and rho chains. Can form functional homopentamers (in vitro). Interacts with UBQLN1. May interact with KIF21B. Identified in a complex of 720 kDa composed of LHFPL4, NLGN2, GABRA1, GABRB2, GABRG2 and GABRB3 . Interacts with LHFPL4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the ligand-gated ionic channel family. The encoded protein is one the subunits of a multi-subunit chloride channel that serves as the receptor for gamma-aminobutyric acid, a major inhibitory neurotransmitter of the mammalian nervous system. This gene is located on the long arm of chromosome 15 in a cluster with two other genes encoding related subunits of the family. This gene may be associated with the pathogenesis of several disorders including Angelman syndrome, Prader-Willi syndrome, nonsyndromic orofacial clefts, epilepsy and autism. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2013]

Additional Information

Gene ID	24922
Other Names	GABA A Receptor beta 3; ECA5; GABA alpha receptor beta-2 subunit; GABA(A) receptor subunit beta-3; GABAA receptor beta 3 subunit; GABAA receptor subunit beta 3; GABR B3; Gabrb3; Gamma aminobutyric acid (GABA) A receptor beta 3; Gamma aminobutyric acid receptor subunit beta 3;

	Gamma-aminobutyric acid receptor subunit beta-3; GBRB3_HUMAN; MGC9051; RB3_RAT;Gabrb3 (S433/434);
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	phospho-Gabrb3 (S408/409) Rabbit pAb
Function	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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.