

# phospho-Gabrb3 (S408/409) Rabbit pAb

Catalog # AP96705

## Product Information

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| <b>Application</b>             | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Primary Accession</b>       | <a href="#">P63079</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Other Accession</b>         | <a href="#">P63079</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Calculated MW</b>           | 54 KDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>               | KLH conjugated Synthesised phosphopeptide derived from rat Gabrb3 around the phosphorylation site of Ser408/409                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer</b>                  | 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>SIMILARITY</b>              | Belongs to the ligand-gated ion channel (TC 1.A.9) family.<br>Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB3 sub-subfamily.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>SUBUNIT</b>                 | 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.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Background Descriptions</b> | 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

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| <b>Gene ID</b>     | 24922                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Other Names</b> | 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); |

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| <b>Dilution</b> | WB=1:500-2000                                                                                                                                                                                   |
| <b>Storage</b>  | 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

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| <b>Name</b>     | phospho-Gabrb3 (S408/409) Rabbit pAb                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b> | 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. |

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