

ARG52306 anti-GABAB Receptor 1 phospho (Ser923) antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GABAB Receptor 1 phospho (Ser923)
Tested Reactivity	Rat
Predict Reactivity	Hu, Ms, Bov, NHuPrm
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GABAB Receptor 1
Species	Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser923 conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	Gb1; GABA-B-R1; GABA-B receptor 1; GABA-BR1; GPRC3A; GABBR1-3; dJ271M21.1.2; dJ271M21.1.1; GABABR1; Gamma-aminobutyric acid type B receptor subunit 1; GB1

Application Instructions

Application table	Application	Dilution
	WB	1:1,000
Application Note	<p>Specific for ~102k GABAB R1 phosphorylated at Ser923. Immunolabeling of the GABAB R1 band is completely blocked by λ-phosphatase treatment.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

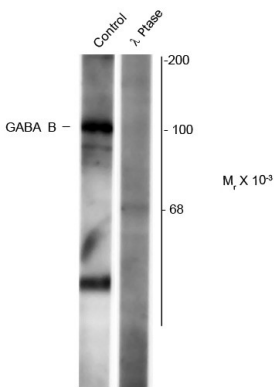
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 81657 Rat Swiss-port # Q9Z0U4 Rat
Gene Symbol	GABBR1
Gene Full Name	gamma-aminobutyric acid (GABA) B receptor 1
Background	Gamma-aminobutyric acid (GABA) is the primary inhibitory neurotransmitter in the central nervous system. There are two major classes of GABA receptors: the GABAA and the GABAB subtype of receptors. GABAB receptors are heterodimeric G protein-coupled receptors that mediate slow synaptic inhibition in the central nervous system. Phosphorylation enhances GABAB receptor effector coupling (Couve et al., 2004). Phosphorylation of Ser923 is thought to be important in the regulation of GABAB receptor function.
Research Area	Neuroscience antibody
Calculated Mw	108 kDa

Images



ARG52306 anti-GABAB Receptor 1 phospho (Ser923) antibody WB image

Western blot: Rat synaptic membrane showing specific immunolabeling of the ~102 kDa GABAB R1 protein phosphorylated at Ser923 (control) stained with ARG52306 anti-GABAB Receptor 1 phospho (Ser923) antibody. The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase: lambda-Ptase). The blot is identical to the control except that it was incubated in lambda-Ptase (1200 units for 30 min) before being exposed to the phospho-Ser923 GABAB antibody. The immunolabeling is completely eliminated by treatment with lambda-Ptase.