

Datasheet for ABIN6658230

anti-GABBR1 antibody (pSer923)



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Overview

Quantity:	100 µL
Target:	GABBR1
Binding Specificity:	pSer923
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABBR1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	GABA(B) Receptor 1 phospho S923 Antibody
Immunogen:	Anti-GABA(B) Receptor 1 pS923 Antibody was produced by repeated immunizations with synthetic phospho-peptide corresponding to amino acid residues surrounding Ser 923 of rat GABA B R1.
Isotype:	IgG
Cross-Reactivity (Details):	Anti-GABA(B) Receptor 1 pS923 Antibody is directed against rat phosphorylated GABA(B) Receptor .
Purification:	The antibody was affinity purified from monospecific antiserum by immunoaffinity purification.

Target Details

Target:	GABBR1
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Target Details

Alternative Name:	GABA(B) Receptor 1 (GABBR1 Products)
Background:	Synonyms: Gamma-aminobutyric acid type B receptor subunit 1, GABA-B-R1, GABA-BR1, GABABR1, Gb1 Background: GABA(A) Receptor 1 pS923 Antibody detects phosphorylated GABA(A) Receptor gamma 2. 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. Phosphorylation of Ser 923 is thought to be important in the regulation of GABAB receptor function. GABA(B) Receptor 1 pS923 antibody is ideal for investigators involved in Neuroscience. Gene Name: GABBR1
Gene ID:	81657, 8393403
UniProt:	Q9Z0U4
Pathways:	Positive Regulation of Peptide Hormone Secretion, cAMP Metabolic Process

Application Details

Application Notes:	Optional[Neutralization_Dilution]: 1:1000
Comment:	Anti-GABA(B) Receptor 1 pS923 (Rabbit) antibody is tested for use in Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 102 kDa in size corresponding to GABA(B) receptor 1 protein phosphorylated at Ser923 in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

Handling

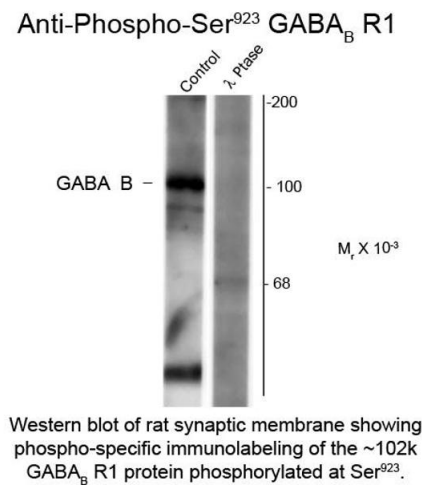
Format:	Liquid
Buffer:	Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5 Stabilizer: 0.1 mg/mL Bovine Serum Albumin (BSA) - IgG and Protease free, 50 % (v/v) Glycerol
Storage:	4 °C, -20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.

Expiry Date: 12 months

Publications

Product cited in: Feng, Gao, Yue, Liu, Zhou, Ren, Teng: "Autophagy-lysosome dysfunction is involved in gastric ischemia-reperfusion injury by promoting microglial activation in the paraventricular nucleus." in: **Journal of biochemical and molecular toxicology**, Vol. 36, Issue 2, pp. e22957, (2022) ([PubMed](#)).

Images



Western Blotting

Image 1. Western Blot of Anti-GABA(B) Receptor 1 pS923 (Rabbit) Antibody - 612-401-D54 Western Blot of Rabbit anti-GABA(B) Receptor 1 pS923 antibody. Lane 1: rat synaptic membrane. Lane 2: rat synaptic membrane incubated in λ-Ptase (1200 units for 30 min). Load: 10 µg per lane. Primary antibody: GABAB-R antibody at 1:400 for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~102kDa/~102kDa for GABAB R1 protein phosphorylated at Ser923. Other band(s): none.