

Datasheet: AHP1300

Description:	RABBIT ANTI GABA B RECEPTOR 1 (pSer923)
Specificity:	GABA B RECEPTOR 1 (pSer923)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting (1)	■			1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) For the detection of phosphoproteins, tyrosine phosphatase inhibitors such as 1mM Sodium Orthovanadate should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background.

Target Species	Rat
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Mouse, Primate, Human, Bovine N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to GABA _B receptor 1 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	10mM Hepes pH7.5
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	0.01% Bovine Serum Albumin 50% Glycerol

Immunogen Synthetic phosphopeptide corresponding to an amino acid sequence within GABA_B receptor 1, which includes the phosphorylated residue Ser923.

External Database Links

UniProt:
[Q9Z0U4](#) [Related reagents](#)

Entrez Gene:
[81657](#) Gabbr1 [Related reagents](#)

Specificity **Rabbit anti Rat GABA B receptor 1 (pSer923) antibody** recognizes gamma-aminobutyric acid type B receptor subunit 1 (GABA B receptor 1) when phosphorylated at serine 923.

GABA B receptors are heterodimeric G-protein coupled receptors which are important mediators of slow neuronal inhibition in the mammalian central nervous system. The functional expression of GABA B receptors on plasma membranes is dependent upon the co-expression of GABR1 and GABR2 (gamma-aminobutyric acid B (GABA B) receptor 2). Phosphorylation of GABR1 at the serine 923 site may be an important factor in the regulation of GABA B receptor function.

Abnormalities in the expression or function of GABA_B receptors are associated with temporal lobe epilepsy ([Gambardella et al. 2003](#)).

Western Blotting AHP1300 detects a band of approximately 102kDa in rat synaptic membrane cell lysates.

References 1. Bowery, N.G. *et al.* (2002) International Union of Pharmacology XXXIII. Mammalian gamma-aminobutyric acid_B receptors: structure and function. [Pharmacol. Rev. 54: 247-264.](#)

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 12 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10088 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10088.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

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Printed on 13 Jan 2018

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