

Datasheet for ABIN800862

anti-GABBR2 antibody (pSer783) (HRP)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	GABBR2
Binding Specificity:	pSer783
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABBR2 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human GABBR2 around the phosphorylation site of Ser783
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	GABBR2
Alternative Name:	GABBR2 (GABBR2 Products)

Target Details

Background: Synonyms: GABA B Receptor 2 phospho S783, p-GABA B Receptor 2 phospho S783, GABBR2 Ser783, p-GABBR2 Ser783, GABBR2, GB2, G protein coupled receptor 51, G-protein coupled receptor 51, GAB B R2, GABA B R2, GABA B receptor 2, GABA B RECEPTOR, GABA-B receptor 2, GABA-B-R2, GABA-BR2, GABA[[B]]R2, GABAB R2, GABABR 2, GABABR2, GABB R2, GABBR 2, Gabbr2, GABR2_HUMAN, Gamma aminobutyric acid GABA B receptor 2, Gamma aminobutyric acid B receptor 2, Gamma aminobutyric acid GABA B receptor 2, Gamma aminobutyric acid type B receptor subunit 2, Gamma-aminobutyric acid type B receptor subunit 2, Gb 2, Gb2, GH07312, GPR 51, GPR51, GPRC 3B, GPRC3B, HG 20, HG20, HRIHFB2099, Metabotropic GABA B receptor subtype 2, OTTHUMP00000021776, OTTHUMP00000063797, R2 SUBUNIT, BcDNA:GH07312, CG6706, CT20836, D GABA[[B]]R2, D Gaba2, FLJ36928.

Background: Receptor for GABA. The activity of this receptor is mediated by G-proteins that inhibit adenylyl cyclase activity, stimulates phospholipase A2, activates potassium channels, inactivates voltage-dependent calcium-channels and modulates inositol phospholipids hydrolysis. Plays a critical role in the fine-tuning of inhibitory synaptic transmission. Pre-synaptic GABA-B-R inhibit neurotransmitter release by down-regulating high-voltage activated calcium channels, whereas postsynaptic GABA-B-R decrease neuronal excitability by activating a prominent inwardly rectifying potassium (Kir) conductance that underlies the late inhibitory postsynaptic potentials. Not only implicated in synaptic inhibition but also in hippocampal long-term potentiation, slow wave sleep, muscle relaxation and antinociception.

Gene ID: 9568

Pathways: [cAMP Metabolic Process](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months