

Datasheet for ABIN800853
anti-GABBR2 antibody (pSer783)



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Overview

Quantity:	100 µL
Target:	GABBR2
Binding Specificity:	pSer783
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABBR2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), 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
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months