

GABA B Receptor 2 Rabbit mAb

Catalog No: #49773



Package Size: #49773-1 50ul #49773-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

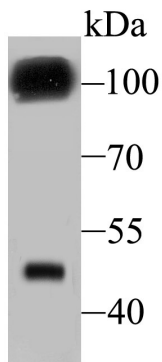
Description

Product Name	GABA B Receptor 2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU31-32
Purification	ProA affinity purified
Applications	WB,IHC,FC,ICC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	BcDNA:GH07312 antibody CG6706 antibody CT20836 antibody D Gaba2 antibody FLJ36928 antibody G protein coupled receptor 51 antibody G-protein coupled receptor 51 antibody GAB B R2 antibody GABA B R2 antibody GABA B receptor 2 antibody GABA-B receptor 2 antibody GABA-B-R2 antibody GABA-BR2 antibody GABAB R2 antibody GABABR 2 antibody GABABR2 antibody GABB R2 antibody GABBR 2 antibody Gabbr2 antibody GABR2_HUMAN antibody Gamma aminobutyric acid B receptor 2 antibody Gamma aminobutyric acid GABA B receptor 2 antibody Gamma aminobutyric acid type B receptor subunit 2 antibody Gamma-aminobutyric acid type B receptor subunit 2 antibody Gb 2 antibody Gb2 antibody GH07312 antibody GPR 51 antibody GPR51 antibody GPRC 3B antibody GPRC3B antibody HG 20 antibody HG20 antibody HRIHFB2099 antibody Metabotropic GABA B receptor subtype 2 antibody OTTHUMP00000021776 antibody OTTHUMP00000063797 antibody R2 SUBUNIT antibody
Accession No.	Swiss-Prot#:Q80T41
Uniprot	Q80T41
GeneID	242425;
Calculated MW	106 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

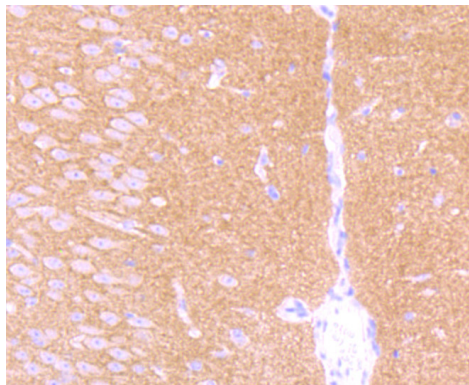
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200ICC: 1:50-1:100FC: 1:50-1:100

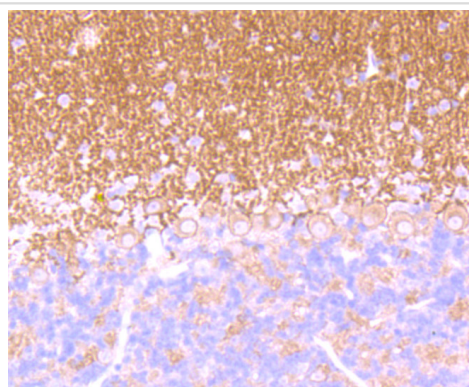
Images



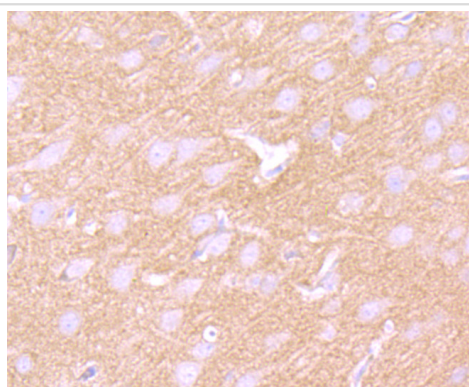
Western blot analysis of GABA B Receptor 2 on mouse cerebellum tissue lysate using anti- GABA B Receptor 2 antibody at 1/500 dilution.



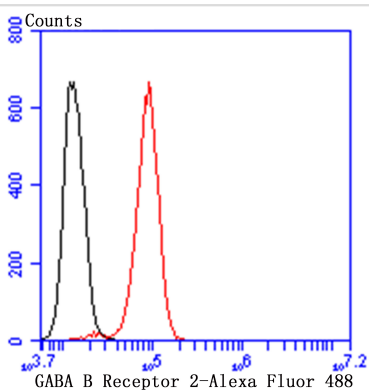
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti- GABA B Receptor 2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue using anti- GABA B Receptor 2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti- GABA B Receptor 2 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of SH-SY-5Y cells with GABA B Receptor 2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

In the central nervous system (CNS), gamma-aminobutyric acid (GABA) is the main main inhibitory neurotransmitter that functions to regulate neuronal firing. GABA exerts its effects through two different kinds of receptors: ionotropic receptors (GABAA R and GABAC R), which produce fast inhibitory signals, and metabotropic receptors (GABAB R), which produce slow inhibitory signals. The GABAB R receptor is a heterodimer that consists of two multi-pass membrane proteins, designated GABAB R1 and GABAB R2, both of which belong to the G protein-coupled receptor family and are highly expressed in brain tissue. Together, GABAB R1 and GABAB R2 play a crucial role in the fine-tuning of inhibitory synaptic transmissions and are implicated in slow wave sleep, muscle relaxation, hippocampal long-term potentiation and antinociception events. Both GABAB R1 and GABAB R2 are regulated by G proteins that have a variety of functions, including activation of potassium channels, inhibition of adenylyl cyclase (A cyclase) activity and modulation of inositol phospholipid hydrolysis.

References

Note: This product is for in vitro research use only