

GABA(B) R2 Antibody

Catalog No: #48296



Package Size: #48296-1 50ul #48296-2 100ul

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Description

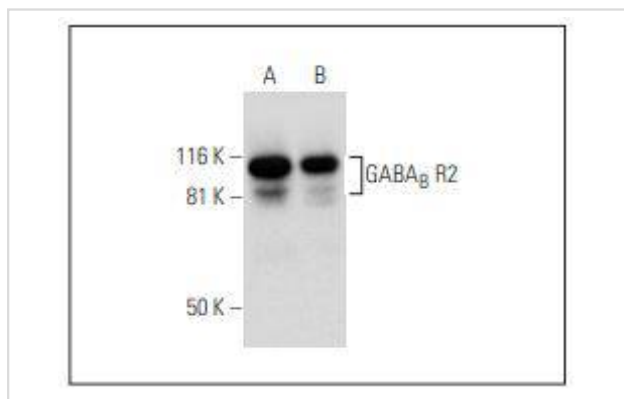
Product Name	GABA(B) R2 Antibody
Host Species	Mouse
Clone No.	3G3
Purification	ProA affinity purified
Applications	WB, IP, IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Amino acids 183-482 mapping within an extracellular domain of GABA(B) R2 of human origin.
Other Names	BcDNA:GH07312 antibody 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#:O75899
Uniprot	O75899
GeneID	9568;
Calculated MW	130 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at 4°C

Application Details

WB: 1:100-1:1,000

IP: 1-2 &mu;g per 100-500 &mu;g of total protein(1 ml of cell lysate)

Images



W Western blot analysis of GABAB R2 expression in mouse brain (A) and rat brain (B) tissue extracts.

Background

In the central nervous system (CNS), γ -aminobutyric acid (GABA) is the 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.

Note: This product is for in vitro research use only