

GABA(B) R2 Antibody

Catalog No: #48296

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

Description

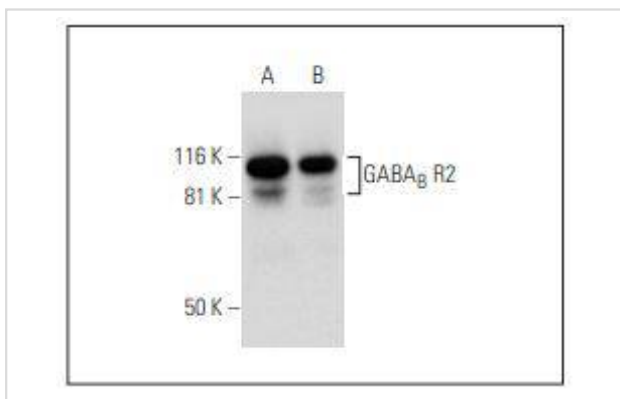
Product Name	GABA(B) R2 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	3G3
Purification	ProA affinity purified
Applications	WB, IP, IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Amino acids 183-482 mapping within an extracellular domain of GABA(B) R2 of human origin.
Conjugates	Unconjugated
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
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 antinociceptive 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 and is not intended for use in humans or animals.