GABA B Receptor 2 Conjugated Antibody

Catalog No: #C49773

Package Size: #C49773-AF350 100ul #C49773-AF405 100ul #C49773-AF488 100ul #C49773-AF555 100ul #C49773-AF594 100ul #C49773-AF647 100ul #C49773-AF680 100ul #C49773-AF750 100ul #C49773-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	GABA B Receptor 2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	106 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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.

Note: This product is for in vitro research use only