GABABR2 (Ser783) Antibody

Subcategory: Rabbit Polyclonal Antibody, Phosphospecific Antibody
Cat. No.: 252543
Unit: 0.1 ml

Description:
Gamma-aminobutyric acid type B receptor subunit 1 (GABA-Receptor, R-2 subunit), together with the GABA-Receptor, R-1 subunit, forms a receptor for GABA. The activity of GABA-B-Receptor is mediated by G-proteins that inhibit adenylyl cyclase activity, stimulate phospholipase A2, activates potassium channels, inactivate voltage-dependent calcium-channels and modulate inositol phospholipids hydrolysis. The GABA-B-Receptor plays a critical role in the fine-tuning of inhibitory synaptic transmission. Pre-synaptic GABA-B-Receptors inhibits neurotransmitter release by down-regulating high-voltage activated calcium channels, whereas postsynaptic GABA-B-Receptor decrease neuronal excitability by activating a prominent inwardly rectifying potassium (Kir) conductance that underlies the late inhibitory postsynaptic potentials. The GABA receptor has not only been implicated in synaptic inhibition but also in hippocampal long-term potentiation, slow wave sleep, muscle relaxation and antinociception.

Isotype: Rabbit Ig
Applications: E, WB, IF, IHC
Species Reactivity: B, D, Ck, H, M
Format: Each vial contains 0.1 ml IgG in HEPES pH7.5, 150 mM NaCl, 0.01% BSA and 50% glycerol. Antibody was purified by immunogen affinity chromatography.
Alternate Names: Gamma-aminobutyric acid type B receptor subunit 2; GABA-B receptor 2; GABA-B-R2; GABA-BR2; GABABR2; Gb2; G-protein coupled receptor 51; Gabbr2; Gpr51
Accession No.: O88871

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Ser783 of rat GABAB receptor, R2-subunit.
Application Notes: E: 1:1,000; WB: 1:1,000; IHC: 1:500; IF: 1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.