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## **GABABR2 Antibody**

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 251656

**Unit:** 0.1 mg

### **Description:**

Gamma-aminobutyric acid type B receptor subunit 2 (GABABR2) is a receptor for GABA. The activity of GABABR2 is mediated by G-proteins that inhibit adenylyl cyclase activity, stimulate phospholipase A2, activate potassium channels, inactivate voltage-dependent calcium-channels and modulate inositol phospholipid hydrolysis. GABABR2 plays a critical role in the fine-tuning of inhibitory synaptic transmission. Pre-synaptic GABABR2 inhibits neurotransmitter release by down-regulating high-voltage activated calcium channels, whereas postsynaptic GABABR2 decreases neuronal excitability by activating a prominent inwardly rectifying potassium (Kir) conductance that underlies the late inhibitory postsynaptic potentials. GABABR2 is not only implicated in synaptic inhibition but also in hippocampal long-term potentiation, slow wave sleep, muscle relaxation and antinociception.

**Isotype:** Rabbit Ig

**Applications:** E, WB, IHC, IP

**Species Reactivity:** H, M, R, B, Hs, Rb, D, Ck

**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** GABABR2; GABA-B receptor 2; Gamma-aminobutyric acid type B receptor subunit 2; GABA-B-R2; GABA-BR2; Gb2; G-protein coupled receptor 51; HG20; GABBR2; GPR51; GPRC3B

**Accession No.:** O75899

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GABABR2.

**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500; IP: 1:100-1:500

**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.