Anti-Human/Mouse/Rat GABA B Receptor 2 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA04294

3th Edition

Description:GABBR2 (Gamma-Aminobutyric Acid Type B Receptor Subunit 2) is a Protein Coding gene. Diseases associated with GABBR2 include Nicotine Dependence, Protection Against and Sensory Neuropathy Type 1. Among its related pathways are GABAergic synapse and Peptide ligand-binding receptors. GO annotations related to this gene include G-protein coupled receptor activity and G-protein coupled GABA receptor activity. An important paralog of this gene is GABBR1.The multi-pass membrane protein encoded by this gene belongs to the G-protein coupled receptor 3 family and GABA-B receptor subfamily. The GABA-B receptors inhibit neuronal activity through G protein-coupled second-messenger systems, which regulate the release of neurotransmitters, and the activity of ion channels and adenylyl cyclase. This receptor subunit forms an active heterodimeric complex with GABA-B receptor subunit 1, neither of which is effective on its own. Allelic variants of this gene have been associated with nicotine dependence.

Antigen: Synthetic Peptide

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Highly expressed in brain, especially in cerebral cortex, thalamus, hippocampus, frontal, occipital and temporal lobe, occipital pole and cerebellum, followed by corpus callosum, caudate nucleus, spinal cord, amygdala and medulla. Weakly expressed in heart, testis and skeletal muscle.