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Polyclonal Antibody to GABRB3 (C-term) - Purified

Alternate names: GABA A receptor subunit beta-3, GABRB-3, Gamma-aminobutyric acid receptor subunit beta-3

Catalog No.: AP05919PU-N

Quantity: 0.1 ml

Background: GABA A receptors are GABA gated chloride channels, which are important mediators of neuronal inhibition in the mammalian central nervous system. Activation of the GABA A site results in increased intracellular chloride concentration and hyperpolarization of the cell.
GABA A receptors are pentameric structures assembled from a family of distinct subunits. At least fourteen distinct subunits have been identified, which show distinct patterns of temporal and spatial expression.
GABA A receptors may be modulated by several drug types including benzodiazepines and barbiturates, and by phosphorylation by protein kinase C (PKC) and protein kinase A (PKA).

Uniprot ID: P63079

NCBI: NP_058761.1

GeneID: 24922

Host / Isotype: Rabbit / IgG

Immunogen: Fusion protein within the cytosolic loop of rat GABA A receptor beta 3 subunit.

Format: **State:** Liquid purified Ig
Purification: Affinity chromatography
Buffer System: 10mM HEPES pH7.5 containing 0.09% Sodium Azide, 0.01% Bovine Serum Albumin and 50% Glycerol

Applications: Western Blot: 1:1000; detects a band of approximately 53 kDa in cerebellum lysates.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody is specific for the beta 3 subunit of gamma-aminobutyric acid A (GABA A) receptor.
Species: Rat, Mouse.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Caution: (A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

General Readings: 1. Burt DR, Kamatchi GL. GABAA receptor subtypes: from pharmacology to molecular biology. FASEB J. 1991 Nov;5(14):2916-23. PubMed PMID: 1661244.