

Goat Anti-CHRNB2 Antibody

Peptide-affinity purified goat antibody Catalog # AF1241a

Specification

Goat Anti-CHRNB2 Antibody - Product Information

Application WB
Primary Accession P17787

Other Accession <u>NP_000739</u>, <u>1141</u>

Reactivity Human

Predicted Mouse, Rat, Pig, Dog, Cow

Host Goat
Clonality Polyclonal
Concentration 100ug/200ul

Isotype IgG
Calculated MW 57019

Goat Anti-CHRNB2 Antibody - Additional Information

Gene ID 1141

Other Names

Neuronal acetylcholine receptor subunit beta-2, CHRNB2

Format

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-CHRNB2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CHRNB2 Antibody - Protein Information

Name CHRNB2

Function

After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane permeable to sodiun ions.

Cellular Location

Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane



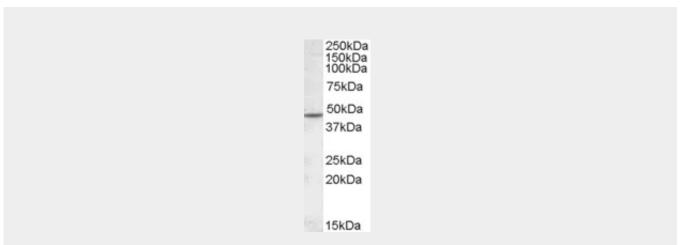
protein

Goat Anti-CHRNB2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-CHRNB2 Antibody - Images



AF1241a (1 μ g/ml) staining of Human Cerebellum lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-CHRNB2 Antibody - Background

Neuronal acetylcholine receptors are homo- or heteropentameric complexes composed of homologous alpha and beta subunits. They belong to a superfamily of ligand-gated ion channels which allow the flow of sodium and potassium across the plasma membrane in response to ligands such as acetylcholine and nicotine. This gene encodes one of several beta subunits. Mutations in this gene are associated with autosomal dominant nocturnal frontal lobe epilepsy.

Goat Anti-CHRNB2 Antibody - References

Resequencing of Nicotinic Acetylcholine Receptor Genes and Association of Common and Rare Variants with the Fagerstr Test for Nicotine Dependence. Wessel J, et al.

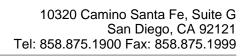
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An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M, et al. Hum Genet, 2010 Oct. PMID 20677014.

Intermediate phenotypes identify divergent pathways to Alzheimer's disease. Shulman JM, et al. PLoS One, 2010 Jun 21. PMID 20574532.

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Bondarenko V, et al. Biochim Biophys Acta, 2010 Aug. PMID 20441771.