

# Goat Anti-CHRNB1 / ACHRB Antibody

Peptide-affinity purified goat antibody Catalog # AF1240a

## **Specification**

## Goat Anti-CHRNB1 / ACHRB Antibody - Product Information

Application WB
Primary Accession P11230

Other Accession NP 000738, 1140

Reactivity Human

Predicted Mouse, Rat, Cow

Host Goat
Clonality Polyclonal
Concentration 100ug/200ul

Isotype IgG
Calculated MW 56698

## Goat Anti-CHRNB1 / ACHRB Antibody - Additional Information

**Gene ID 1140** 

### **Other Names**

Acetylcholine receptor subunit beta, CHRNB1, ACHRB, CHRNB

#### **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-CHRNB1 / ACHRB Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Goat Anti-CHRNB1 / ACHRB Antibody - Protein Information

Name CHRNB1 (HGNC:1961)

Synonyms ACHRB, CHRNB

#### **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.



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#### **Cellular Location**

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

## Goat Anti-CHRNB1 / ACHRB 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-CHRNB1 / ACHRB Antibody - Images



AF1240a (1 μg/ml) staining of human cerebellum lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-CHRNB1 / ACHRB Antibody - Background

The muscle acetylcholine receptor is composed of five subunits: two alpha subunits and one beta, one gamma, and one delta subunit. This gene encodes the beta subunit of the acetylcholine receptor. The acetylcholine receptor changes conformation upon acetylcholine binding leading to the opening of an ion-conducting channel across the plasma membrane. Mutations in this gene are associated with slow-channel congenital myasthenic syndrome.

# Goat Anti-CHRNB1 / ACHRB Antibody - References

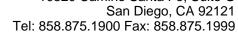
Multiple cholinergic nicotinic receptor genes affect nicotine dependence risk in African and European Americans. Saccone NL, et al. Genes Brain Behav, 2010 Jun 22. PMID 20584212. Examination of the nicotine dependence (NICSNP) consortium findings in the lowa adoption studies population. Philibert RA, et al. Nicotine Tob Res, 2009 Mar. PMID 19307444.

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analysis of regulatory and non-synonymous SNPs of 306 genes involved in neurotransmission and neurodevelopment. Gratac□s M, et al. Am J Med Genet B Neuropsychiatr Genet, 2009 Sep 5. PMID 19086053.