

CHRNA4

Reactivity:Mouse

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:2000

Calculated MW:70kDa

Observed MW:Refer to figures

Immunogen:

Recombinant protein of human CHRNA4

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

EBN; BFNC; EBN1; NACHR; NACRA4; NACHRA4;

Catalog #:A1648

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:1137

Isotype:IgG

Swiss Prot:P43681

Purity:Affinity purification

For research use only.

Background:

This gene encodes a nicotinic acetylcholine receptor, which belongs to a superfamily of ligand-gated ion channels that play a role in fast signal transmission at synapses. These pentameric receptors can bind acetylcholine, which causes an extensive change in conformation that leads to the opening of an ion-conducting channel across the plasma membrane. This protein is an integral membrane receptor subunit that can interact with either nAChR beta-2 or nAChR beta-4 to form a functional receptor. Mutations in this gene cause nocturnal frontal lobe epilepsy type 1. Polymorphisms in this gene that provide protection against nicotine addiction have been described. Alternative splicing results in multiple transcript variants.

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