

## 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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