

A0350

Leader in Biomolecular Solutions for Life Science



# ACHA4 Rabbit mAb

Catalog No.: A0350 **Recombinant**

## Basic Information

### Observed MW

70kDa

### Calculated MW

70kDa

### Category

SMab Recombinant Monoclonal Antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human,Mouse,Rat

### CloneNo number

ARC1822

## 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.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

1137

### Swiss Prot

P43681

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 500-600 of human ACHA4 (P43681).

### Synonyms

EBN; BFNC; EBN1; NACHR; NACRA4; NACHRA4; ACHA4

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

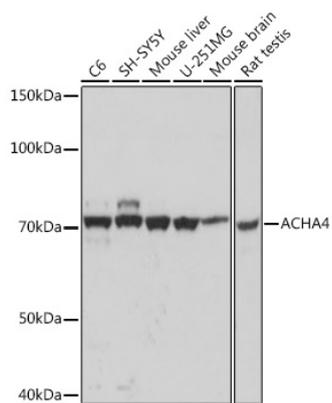
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using ACHA4 Rabbit mAb (A0350) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.