

Product Name: Nicotinic Acetylcholine Receptor alpha 4 Rabbit Monoclonal Antibody
Catalog #: AMRe87327

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:2000-1:20000
Molecular Weight	Calculated MW:70 kDa; Observed MW:70 kDa

Antigen Information

Gene Name	Nicotinic Acetylcholine Receptor alpha 4
Alternative Names	EBN; BFNC; EBN1; NACHR; NACRA4; NACHRA4
Gene ID	1137
SwissProt ID	P43681
Immunogen	A synthetic peptide of human Nicotinic Acetylcholine Receptor alpha 4/CHRNA4

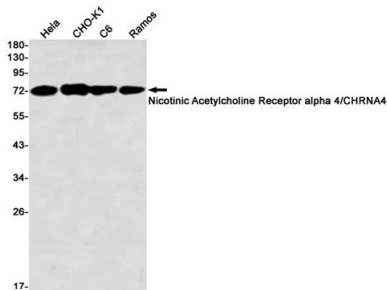
Background

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

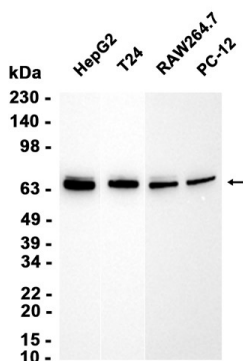
change in conformation that leads to the opening of an ion-conducting channel across the plasma membrane. This protein is an integral membrane receptor subunit that can interact with either nAChR beta-2 or nAChR beta-4 to form a functional receptor. Mutations in this gene cause nocturnal frontal lobe epilepsy type 1. Polymorphisms in this gene that provide protection against nicotine addiction have been described. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]

Research Area

Image Data



Western blot detection of Nicotinic Acetylcholine Receptor alpha 4/CHRNA4 in Hela, CHO-K1, C6, Ramos cell lysates using Nicotinic Acetylcholine Receptor alpha 4/CHRNA4 antibody (1:1000 diluted).



Western blot analysis of extracts from HepG2, T24, RAW264.7, PC-12 cells using AMRe87327 at 1:5000.