

Product datasheet for TA338364

OriGene Technologies, Inc.

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Nicotinic Acetylcholine Receptor alpha 4 (CHRNA4) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-CHRNA4 antibody: synthetic peptide directed towards the N terminal

of human CHRNA4. Synthetic peptide located within the following region:

AEERLLKKLFSGYNKWSRPVANISDVVLVRFGLSIAQLIDVDEKNQMMTT

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified

Conjugation: Unconjugated

Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 67 kDa

Gene Name: cholinergic receptor nicotinic alpha 4 subunit

Database Link: NP 000735

Entrez Gene 1137 Human

P43681





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]

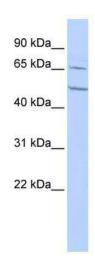
Synonyms: BFNC; EBN; EBN1; NACHR; NACHRA4; NACRA4

Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Guinea

pig: 100%; Dog: 93%; Zebrafish: 93%; Horse: 86%; Bovine: 86%; Rabbit: 86%

Protein Families: Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

Product images:



WB Suggested Anti-CHRNA4 Antibody Titration: 0.2-1 ug/ml; Positive Control: HepG2 cell lysate