

CHRNA4 Polyclonal antibody

Catalog Number: 21939-1-AP

Basic Information

Catalog Number:

21939-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16584

GenBank Accession Number:

BC096290

GeneID (NCBI):

1137

UNIPROT ID:

P43681

Full Name:

cholinergic receptor, nicotinic, alpha 4

Calculated MW:

627 aa, 70 kDa

Observed MW:

69 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, Mouse

Positive Controls:

WB : Neuro-2a cells, C6 cells

Background Information

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.

Storage

Storage:

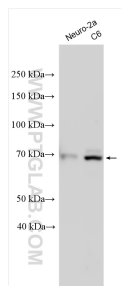
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21939-1-AP (CHRNA4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.