

For Research Use Only

# CHRNA4 Polyclonal antibody

Catalog Number: 21939-1-AP



## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>21939-1-AP                          | <b>GenBank Accession Number:</b><br>BC096290                  | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>150ul , Concentration: 800 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>1137                                 | <b>Recommended Dilutions:</b><br>WB 1:1000-1:4000            |
| <b>Source:</b><br>Rabbit                                      | <b>Full Name:</b><br>cholinergic receptor, nicotinic, alpha 4 |  |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>627 aa, 70 kDa                       |  |
| <b>Immunogen Catalog Number:</b><br>AG16584                   | <b>Observed MW:</b><br>69 kDa                                 |  |

## Applications

|   |  |
|---|--|
| <b>Tested Applications:</b><br>WB, ELISA    | <b>Positive Controls:</b><br>WB : Neuro-2a cells, C6 cells |
| <b>Species Specificity:</b><br>human, Mouse |  |

## 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

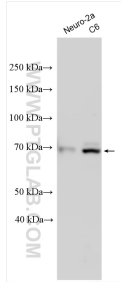
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## 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.