

For Research Use Only

# CHRNA4 Polyclonal antibody

Catalog Number: 21939-1-AP



## Basic Information

<b>Catalog Number:</b> 21939-1-AP	<b>GenBank Accession Number:</b> BC096290	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 800 µg/ml	<b>GeneID (NCBI):</b> 1137	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P43681	
<b>Isotype:</b> IgG	<b>Full Name:</b> cholinergic receptor, nicotinic, alpha 4	
<b>Immunogen Catalog Number:</b> AG16584	<b>Calculated MW:</b> 627 aa, 70 kDa	
	<b>Observed MW:</b> 69 kDa	

## Applications

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

For technical support and original validation data for this product please contact:

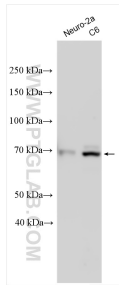
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## Selected Validation Data



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.