

For Research Use Only

# CHRNA5 Polyclonal antibody

Catalog Number: 13516-1-AP



## Basic Information

<b>Catalog Number:</b> 13516-1-AP	<b>GenBank Accession Number:</b> BC033639	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 240 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1138	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> cholinergic receptor, nicotinic, alpha 5	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 468 aa, 53 kDa	
<b>Immunogen Catalog Number:</b> AG4447	<b>Observed MW:</b> 53 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> Jurkat cells, A431 cells, A549 cells, mouse bladder tissue, mouse stomach tissue

## Background Information

Nicotinic acetylcholine receptors (nAChRs), such as CHRNA5, are members of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. The nAChRs are thought to be (hetero)pentamers composed of homologous subunits. Variants in the CHRNA5 gene are associated with nicotine dependence and lung cancer risk.

## Storage

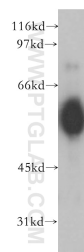
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 13516-1-AP (CHRNA5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.