Product Name: AChRα5 Rabbit Polyclonal Antibody
Catalog #: APRab06499

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	53kDa

Antigen Information

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Gene Name	CHRNA5
Alternative Names	CHRNA5; NACHRA5; Neuronal acetylcholine receptor subunit alpha-5
Gene ID	1138.0
SwissProt ID	P30532
Immunogen	The antiserum was produced against synthesized peptide derived from human AChRalpha5. AA range:166-215

Background

The protein encoded by this gene is a nicotinic acetylcholine receptor subunit and a member of a superfamily of ligand-gated

ion channels that mediate fast signal transmission at synapses. These receptors are thought to be heteropentamers composed of separate but similar subunits. Defects in this gene have been linked to susceptibility to lung cancer type 2 (LNCR2).[provided by RefSeq, Jun 2010],disease:Genetic variations in CHRNA5 may be associated with susceptibility to lung cancer type 2 (LNCR2) [MIM:612052].,function:After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9) family.,subunit:Neuronal AChR seems to be composed of two different type of subunits: alpha and non-alpha (beta).,

Research Area

Image Data
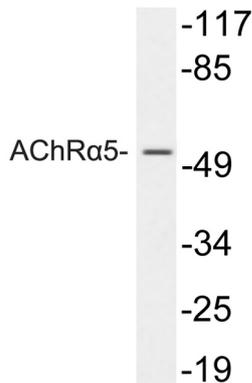
Western blot analysis of lysates from 293 cells, using AChRα5 antibody.
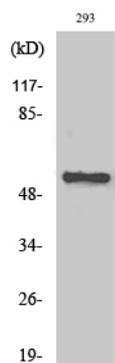
Western Blot analysis of various cells using AChRα5 Polyclonal Antibody