

## AChR $\alpha$ 5 Polyclonal Antibody

<b>Catalog No :</b>	YT0083
<b>Reactivity :</b>	Human;Mouse;Rat;Monkey
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	AChR $\alpha$ 5
<b>Fields :</b>	>>Neuroactive ligand-receptor interaction
<b>Gene Name :</b>	CHRNA5
<b>Protein Name :</b>	Neuronal acetylcholine receptor subunit alpha-5
<b>Human Gene Id :</b>	1138
<b>Human Swiss Prot No :</b>	P30532
<b>Mouse Gene Id :</b>	110835
<b>Mouse Swiss Prot No :</b>	Q2MKA5
<b>Rat Swiss Prot No :</b>	P20420
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human AChR $\alpha$ 5. AA range:166-215
<b>Specificity :</b>	AChR $\alpha$ 5 Polyclonal Antibody detects endogenous levels of AChR $\alpha$ 5 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 53kD

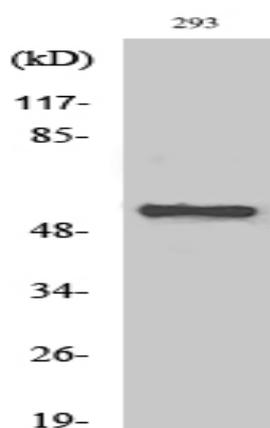
**Background :** The protein encoded by this gene is a nicotinic acetylcholine receptor subunit and a member of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. These receptors are thought to be heteropentamers composed of separate but similar subunits. Defects in this gene have been linked to susceptibility to lung cancer type 2 (LNCR2).[provided by RefSeq, Jun 2010],

**Function :** 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).,

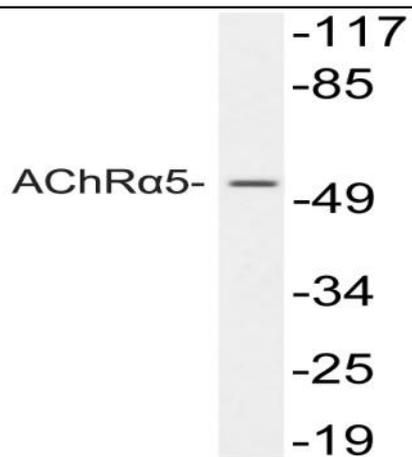
**Subcellular Location :** Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein.

**Expression :** Eye,

## Products Images



Western Blot analysis of various cells using AChR $\alpha$ 5 Polyclonal Antibody



Western blot analysis of lysates from 293 cells, using AChRα5 antibody.