

## Rabbit Anti-CHRNA6 antibody

SL12112R

**Product Name** CHRNA6

**Chinese Name** 烟碱型乙酰胆碱受体  $\alpha 6$ /AChR $\alpha 6$  抗体

**Alias** AChR-alpha6; Acra6; Cholinergic receptor nicotinic alpha 6; Cholinergic receptor nicotinic alpha 6; CHRNA 6; nAChR alpha 6; NACHRA6; Neuronal acetylcholine receptor subunit alpha 6; Nicotinic acetylcholine receptor alpha6; ACHA6\_HUMAN.

**Research Area** Neurobiology Channel protein The cell membrane 受体

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted: Human, Mouse, Rat, Dog, Sheep, )

WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA  
(Paraffin sections need antigen repair)

**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 54kDa

**Cellular localization** The cell membrane

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human CHRNA6: 101-200/494 <Extracellular>

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed** [PubMed](#)

Members of the ligand-gated ion channel receptor family are characterized by their fast transmitt neurotransmitters. Two important members of this family are the nicotinic acetylcholine and glu receptors, both of which are composed of five homologous subunits forming a transmembrane a These transmembrane receptors change conformation in response to their cognate neurotransmit acetylcholine receptors (AChRs) are found at the postsynaptic membrane of the neuromuscular ju acetylcholine molecules, allowing ions to move through the pore. AChR alpha 6, also designate nicotinic receptor alpha polypeptide 6, is a neuronal acetylcholine receptor protein expressed in m mucosa. AChR alpha 6 is also selectively expressed on dopaminergic terminals, where it comple Beta 2 and AChR alpha 4.

**Function:**

Nicotinic acetylcholine receptors (nAChRs, AChRs) are protein complexes made up of protein s coassemble to form an ion channel. This ion channel is gated through the binding of the neurotra acetylcholine (ACh) to its ligand-binding site on the AChR. After binding acetylcholine, the AC an extensive change in conformation that affects all subunits and leads to opening of an ion-conc across the plasma membrane. CHRNA6 (cholinergic nicotinic receptor alpha polypeptide 6) is a acetylcholine receptor protein.

**Subunit:**

Neuronal AChR seems to be composed of two different types of subunits: alpha and non-alpha (

**Product  
Detail**

**Subcellular Location:**

Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membra membrane protein.

**Similarity:**

Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) Alpha-6/CHRNA6 sub-subfamily.

**SWISS:**

Q15825

**Gene ID:**

8973

**Database links:**

[Entrez Gene: 8973](#) Human

[Entrez Gene: 11440](#) Mouse

[Entrez Gene: 81721](#) Rat

[Omim: 606888](#) Human



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[SwissProt: Q15825](#) Human

[SwissProt: Q9R0W9](#) Mouse

[SwissProt: P43143](#) Rat

[Unigene: 103128](#) Human