

## 烟碱型乙酰胆碱受体 $\alpha 9$ AChR $\alpha 9$ 抗体

产品货号 : mIR12113

英文名称 : CHRNA9

中文名称 : 烟碱型乙酰胆碱受体  $\alpha 9$ /AChR $\alpha 9$  抗体

别名 : Cholinergic receptor nicotinic alpha 9; Cholinergic receptor nicotinic alpha polypeptide 9; HSA243342; MGC142109; MGC142135; NACHR alpha 9; NACHRA9; Neuronal acetylcholine receptor protein subunit alpha 9 precursor; ACHA9\_HUMAN.

研究领域 : 神经生物学 通道蛋白 细胞膜受体 淋巴细胞 t-淋巴细胞 b-淋巴细胞

抗体来源 : Rabbit

克隆类型 : Polyclonal

交叉反应 : Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit,

产品应用 : WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500

(石蜡切片需做抗原修复)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量 : 52kDa

细胞定位 : 细胞膜

性状 : Lyophilized or Liquid

浓度 : 1mg/ml

免疫原 : KLH conjugated synthetic peptide derived from human CHRNA9:51-150/479 <Extracellular>

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed : PubMed

**产品介绍 :** Members of the ligand-gated ion channel receptor family are characterized by their fast transmitting response to neurotransmitters. Two important members of this family are the nicotinic acetylcholine and glutamate receptors, both of which are composed of five homologous subunits forming a transmembrane aqueous pore. These transmembrane receptors change conformation in response to their cognate neurotransmitter. Nicotinic acetylcholine receptors (AChRs) are found at the postsynaptic membrane of the neuromuscular junction and bind acetylcholine molecules, allowing ions to move through the pore. AChR alpha 9 is the only AChR found in cochlear hair cells. In adult rat cochlear outer hair cells (OHCs), AChR alpha 9 is expressed primarily in basal regions, where it is a component of the cholinergic receptor, while in inner hair cells (IHCs), it is expressed primarily in apical regions. The alpha 9 subunit mediates efferent synaptic transmission between cholinergic olivocochlear fibers and OHCs. One of the main functions of the AChR alpha 9 channel is to provide a pathway for calcium ion influx. AChR alpha 9 may also influence the arrival of efferent axons.

**Function:**

CHRNA9 is a member of the ligand gated ionic channel family and nicotinic acetylcholine receptor superfamily. CHRNA9 forms homo- or hetero-oligomeric divalent cation channels. It is involved in cochlea hair cell development and is also expressed in the outer hair cells (OHCs) of the adult cochlea. The protein is additionally expressed in keratinocytes, the pituitary gland, B-cells and T-cells.

**Subunit:**

Can form homo- or hetero-oligomeric channels in conjunction with CHRNA10. The native outer hair cell receptor

may be composed of CHRNA9-CHRNA10 hetero-oligomers.

**Subcellular Location:**

Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein (Probable). Cell membrane; Multi-pass membrane protein (Probable).

**Tissue Specificity:**

Expressed in cochlea, keratinocytes, pituitary gland, B-cells and T-cells.

**Similarity:**

Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Alpha-9/CHRNA9 sub-subfamily.

**SWISS:**

Q9UGM1

**Gene ID:**

55584

**Important Note:**

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

产品图片

