

Goat Anti-CHRNA7 Antibody (internal region)
Purified Goat Polyclonal Antibody
Catalog # AF4154a**Specification**

Goat Anti-CHRNA7 Antibody (internal region) - Product Information

Application	IHC-P
Primary Accession	P49582
Other Accession	11441(mouse) , 25302(rat) , NP_000737.1
Reactivity	Rat
Predicted	Human, Mouse, Rat, Cow, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5
Calculated MW	56632

Goat Anti-CHRNA7 Antibody (internal region) - Additional Information**Gene ID** 11441**Other Names**

CHRNA7; cholinergic receptor, nicotinic, alpha 7; NACHRA7; a7 nicotinic acetylcholine receptor; alpha 7 neuronal nicotinic acetylcholine receptor; alpha-7 nicotinic cholinergic receptor subunit; alpha7 nicotinic receptor subunit; cholinergic receptor, nicotinic, alpha polypeptide 7; neuronal acetylcholine receptor protein, alpha-7 chain; neuronal nicotinic acetylcholine receptor alpha-7 subunit; nicotinic acetylcholine alpha-7 subunit; nicotinic acetylcholine receptor alpha7 subunit; nicotinic cholinergic receptor alpha 7

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence KRPGEDKVRPACQHKQ, from the internal region of the protein sequence according to NP_000737.1.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-CHRNA7 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CHRNA7 Antibody (internal region) - Protein Information**Name** Chrna7

Synonyms Acra7

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. The channel is blocked by alpha-bungarotoxin.

Cellular Location

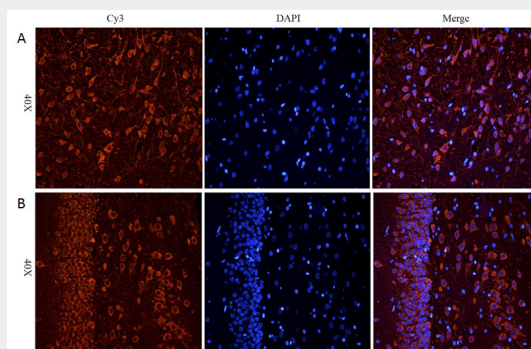
Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Note=TMEM35A/NACHO promotes its trafficking to the cell membrane (PubMed:32783947). RIC3 promotes its trafficking to the cell membrane (By similarity) {ECO:0000250|UniProtKB:Q05941, ECO:0000269|PubMed:32783947}

Goat Anti-CHRNA7 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-CHRNA7 Antibody (internal region) - Images



AF4154a (5ug/ml) staining of paraffin embedded Rat Cerebral Cortex (A) and Rat Hippocampus (B), CRY-staining with DAPI nuclear counter stain in blue. Antigen retrieval with citrate buffer pH 6 at 95-98C.

Goat Anti-CHRNA7 Antibody (internal region) - References

The alpha7 nicotinic receptor agonist 4OH-GTS-21 protects axotomized septohippocampal cholinergic neurons in wild type but not amyloid-overexpressing transgenic mice Ren K, King MA, Liu J, Siemann J, Altman M, Meyers C, Hughes JA, Meyer EM Neuroscience. 2007 Aug 10;148(1):230-7. Epub 2007 Jul 20