

## Product datasheet for **AP22903PU-N**

### Nicotinic Acetylcholine Receptor alpha 7 (CHRNA7) (Internal) Goat Polyclonal Antibody

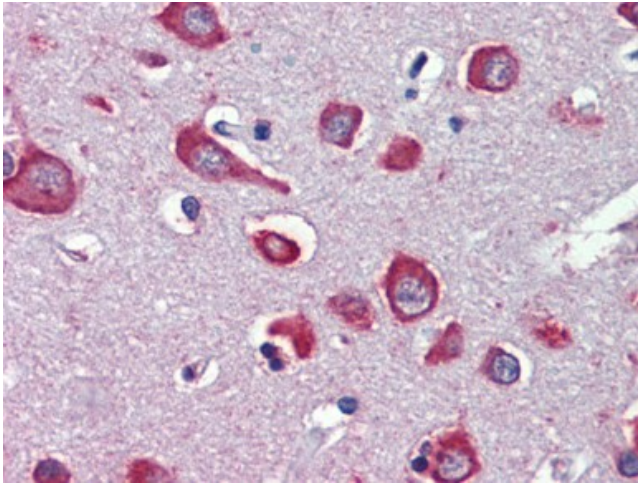
#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	<b>ELISA.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 3 - 6 µg/ml.
Reactivity:	Human, Bovine, Canine, Chicken, Equine, Monkey, Porcine
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from an internal region of human CHRNA7 (NP_000737.1)
Specificity:	This antibody reacts to Cholinergic Receptor, Nicotinic, Alpha Polypeptide 7 (CHRNA7). It also reacts with CHRNA7-FAM7A fusion isoform 1 (NP_647536.1) and isoform 2 (NP_683709.1).
Formulation:	Tris saline buffer, pH 7.3 containing 0.5% BSA as stabilizer and 0.02% sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cholinergic receptor nicotinic alpha 7 subunit
Database Link:	<a href="#">Entrez Gene 1139 Human P36544</a>



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<b>Background:</b>	The nicotinic acetylcholine receptors (nAChRs) are members of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. The nAChRs are thought to be hetero-pentamers composed of homologous subunits. The proposed structure for each subunit is a conserved N-terminal extracellular domain followed by three conserved transmembrane domains, a variable cytoplasmic loop, a fourth conserved transmembrane domain, and a short C-terminal extracellular region.
<b>Synonyms:</b>	Nicotinic acetylcholine receptor subunit alpha-7, CHRNA7, NACHRA7
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway

**Product images:**

Human Brain, Cortex (formalin-fixed, paraffin-embedded) stained with CHRNA7 antibody followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.