



## Nicotinic acetylcholine receptor alpha7 Data Sheet

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<b>Catalog Number:</b>	GT41009	<b>Host:</b>	Goat
<b>Product Type:</b>	Affinity Purified Antibody	<b>Species Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen Sequence:</b>	Synthetic peptide: Peptide with sequence KRPGEDKVRPACQHKQ, from the internal region of the protein sequence according to NP_000737.1.	<b>Format:</b>	Liquid 0.5 mg/ml. Tris saline, 0.02% sodium azide, pH 7.3, 0.5% BSA
<b>Applications:</b>	Immunohistochemistry- 3-6 µg/ml. Peptide ELISA-1:128,000		
<b>Storage:</b>	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator. Aliquot and store at -20°C. <i>Avoid repeated freeze-thaw cycles.</i>		
<b>References:</b>	Ren K, King MA, Liu J, Siemann J, Altman M, Meyers C, Hughes JA, Meyer EM The alpha7 nicotinic receptor agonist 4OH-GTS-21 protects axotomized septohippocampal cholinergic neurons in wild type but not amyloid-overexpressing transgenic mice Neuroscience. 2007 Aug 10;148(1):230-7. Epub 2007 Jul 20		

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### Application Notes

#### **Specificity**

This antibody also reacts with CHRNA7-FAM7A fusion isoform 1 (NP\_647536.1) and isoform 2 (NP\_683709.1).

#### **Immunohistochemistry:**

In paraffin embedded Human Cortex shows staining of cytoplasm in neural cells using steamed antigen retrieval with citrate buffer pH 6, AP-staining.

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