

## Goat anti-CHRNA7 Antibody

<b>Item Number</b>	dAP-2005
<b>Target Molecule</b>	Principle Name: CHRNA7; Official Symbol: CHRNA7; All Names and Symbols: 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, nic; Accession Number (s): NP_000737.1; Human Gene ID(s): 1139; Non-Human GeneID(s): 11441 (mouse) 25302 (rat)
<b>Immunogen</b>	KRPGEDKVRPACQHKQ, is from internal region This antibody also reacts with CHRNA7-FAM7A fusion isoform 1 (NP_647536.1) and isoform 2 (NP_683709.1).
<b>Applications</b>	Pep ELISA, IHC  Species Tested: Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Rat Cerebral Cortex and Rat Hippocampus shows membranous staining in neural cells. Recommended concentration, 5-10µg/ml.
<b>Reference</b>	Reference(s): 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

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**