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Research Use Only. Not for diagnostic or therapeutic use.

EB08853 - Goat Anti-CHRNA7 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal 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 alpha 7 subunit, nicotinic cholinergic receptor alpha 7

Official Symbol: CHRNA7

Accession Number(s): NP_000737.1

Human GenelD(s): 1139

Non-Human GenelD(s): 11441 (mouse), 25302 (rat)

Important Comments: This antibody also reacts with CHRNA7-FAM7A fusion isoform 1

(NP_647536.1) and isoform 2 (NP_683709.1).

Immunogen

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

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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.

Applications Tested

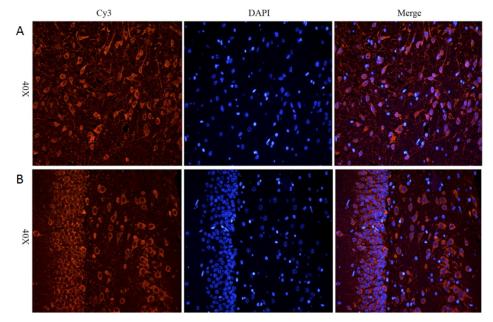
Peptide ELISA: antibody detection limit dilution 1:128000.

IHC: In paraffin embedded Rat Cerebral Cortex and Rat Hippocampus shows membranous staining in neural cells. Recommended concentration: 5-10μg/ml. Paraffin embedded Human Brain (Cortex). Recommended concentration: 3-6μg/ml.

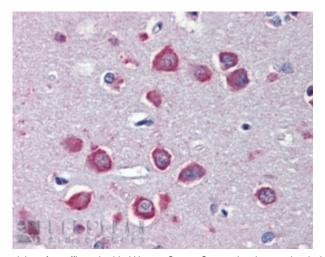
Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



EB08853 (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.



EB08853 (3µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.