

## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

**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 alpha7 subunit, nicotinic cholinergic receptor alpha 7

**Official Symbol:** CHRNA7

**Accession Number(s):** NP\_000737.1

**Human GeneID(s):** [1139](#)

**Non-Human GeneID(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

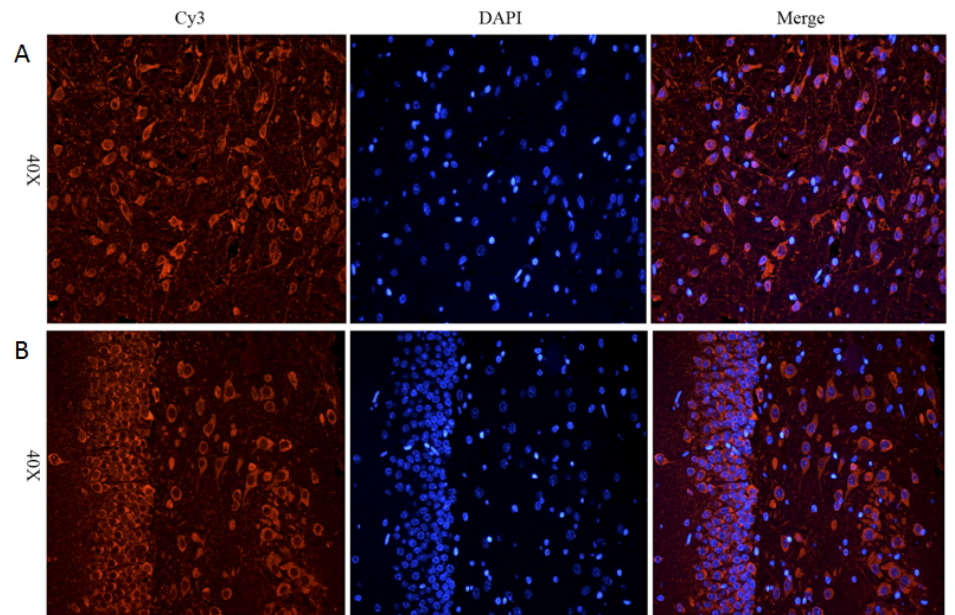
**Peptide ELISA:** antibody detection limit dilution 1:128000.

**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.

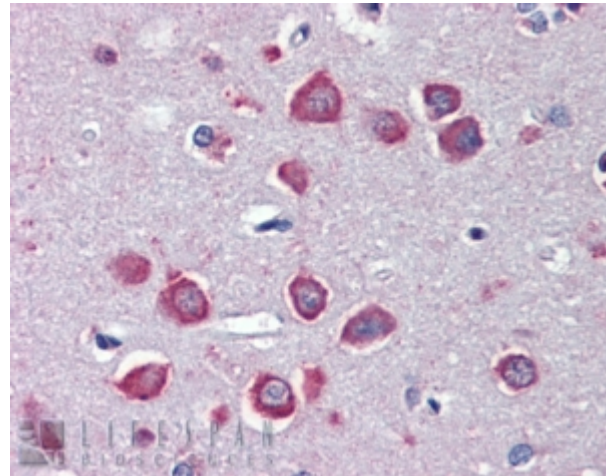
### Species Reactivity

**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.