

## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

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

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08477 - Goat Anti-CHRNA4 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CHRNA4, cholinergic receptor, nicotinic, alpha 4, BFNC, EBN, EBN1, NACRA4, cholinergic receptor, nicotinic, alpha 4 subunit, cholinergic receptor, nicotinic, alpha polypeptide 4, neuronal acetylcholine receptor alpha 4 subunit, neuronal nicotinic acetylcholine receptor alpha-4 subunit

**Official Symbol:** CHRNA4

**Accession Number(s):** NP\_000735.1

**Human GeneID(s):** [1137](#)

### Immunogen

Peptide with sequence C-RASSHVETRAHAE, from the internal region (near the N Terminus) of the protein sequence according to NP\_000735.1.

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 1:4000.

**Western blot:** Preliminary experiments in Human Brain (Cerebral Cortex, Cerebellum and Frontal Cortex) lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human