



## UK Office

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

## EB08479 - Goat Anti-CHRNA4 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CHRNA4, cholinergic receptor, nicotinicN: beta 4, Cholinergic receptor, neuronal nicotinic, beta polypeptide-4, cholinergic receptor, nicotinic, beta polypeptide 4, neuronal nicotinic receptor beta 4 subunit

**Official Symbol:** CHRNA4

**Accession Number(s):** NP\_000741.1

**Human GeneID(s):** [1143](#)

**Important Comments:** The immunizing peptide represents part of the first extracellular domain (aa22-236).

### Immunogen

Peptide with sequence C-DYRLTNSSRYEGVN, from the internal region of the protein sequence according to NP\_000741.1.

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 1:16000.

**Western blot:** Preliminary experiments gave an approx 40kDa band in human testis lysates after 0.2µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 56.4kDa according to NP\_000741.1. The 40kDa band was successfully blocked by incubation with the immunizing peptide.

**IHC:** Paraffin embedded Human Uterus. Recommended concentration: 2.5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Cow

EB08479 (2.5µg/ml) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.