



## UK Office

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

## EB07255 - Goat Anti-Chat (mouse) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** Chat, choline acetyltransferase, B230380D24Rik

**Official Symbol:** Chat

**Accession Number(s):** NP\_034021.1

**Non-Human GeneID(s):** 12647 (mouse), 432359 (rat)

**Important Comments:** This antibody is NOT expected to cross-react to Human CHAT.

### Immunogen

Peptide with sequence C-KERARGPTKPSNLD, from the C Terminus of the protein sequence according to NP\_034021.1.

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.

**Western blot:** Approx 75kDa band observed in Mouse and Rat Brain lysates (calculated MW of 72.3kDa according to Mouse NP\_034021.1 and Rat NP\_001164064.1).

Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Frozen sections of Mouse Forebrain shows staining of neural cell bodies. Optimal dilution: 1:2000.

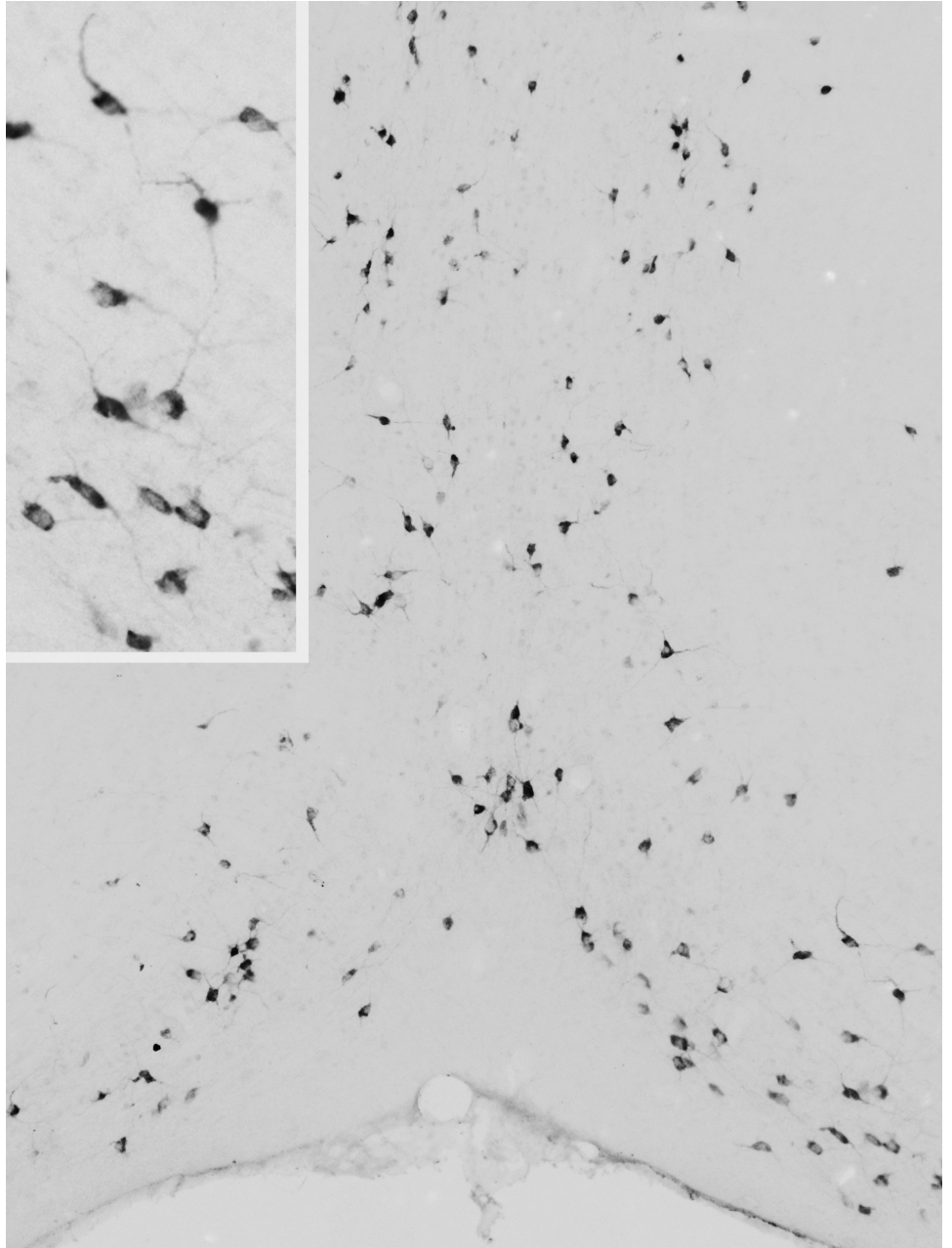
### Species Reactivity

**Tested:** Mouse, Rat

**Expected from sequence similarity:** Mouse, Rat



EB07255 (1 $\mu$ g/ml) staining of Mouse (A) and Rat (B) Brain lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB07255 (1:2000) staining of PFA-perfused cryosection of Mouse Forebrain. HRP-staining with Ni-DAB, after Biotin-SP-anti-goat (IgG) method. Data obtained by Drs. Éva Rumpler and Erik Hrabovszky, Inst, Exp, Med, Budapest, Hungary.