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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 (1µg/ml) staining of Mouse (A) and Rat (B) Brain lysate (35µg 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.