



Goat anti-Chat (mouse) Antibody

Item Number	dAP-0860
Target Molecule	Principle Name: Chat (mouse); Official Symbol: Chat; All Names and Symbols: Chat; choline acetyltransferase ; B230380D24Rik; Accession Number (s): NP_034021.1; Human Gene ID(s) ; Non-Human GeneID(s): 12647 (mouse) 432359 (rat)
Immunogen	KERARGPTKPSNLD, is from C Terminus This antibody is NOT expected to cross-react to Human CHAT.
Applications	Pep ELISA, WB, IHC Species Tested: Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 75-80kDa band observed in Mouse Brain lysates (calculated MW of 72.3kDa according to NP_034021.1). Recommended concentration: 0.2-0.5µg/ml.
IHC	Immunohistochemistry: Frozen sections of Mouse Basal Forebrain shows staining of neural cell bodies. Recommended concentration: 0.1-0.3µg/ml.
Reference	Reference(s): Contestabile A, Fila T, Bartesaghi R, Contestabile A, Ciani E. Choline acetyltransferase activity at different ages in brain of Ts65Dn mice, an animal model for Down's syndrome and related neurodegenerative diseases. J Neurochem. 2006 Apr;97(2):515-26. Epub 2006 Mar 15. .PMID: 16539660

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**