

Datasheet for ABIN185635

**anti-Choline Acetyltransferase antibody (C-Term)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Choline Acetyltransferase (CHAT)
Binding Specificity:	C-Term
Reactivity:	Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Choline Acetyltransferase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Purpose:	Chat (mouse)
Immunogen:	Peptide with sequence C-KERARGPTKPSNLD, from the C Terminus of the protein sequence according to NP_034021.1.
Sequence:	KERARGPTKP SNLD
Isotype:	IgG
Specificity:	This antibody is NOT expected to cross-react to Human CHAT.
Cross-Reactivity:	Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

Target:	Choline Acetyltransferase (CHAT)
Alternative Name:	Chat ( <a href="#">CHAT Products</a> )
Background:	Chat, choline acetyltransferase , B230380D24Rik
Gene ID:	12647, 432359
NCBI Accession:	<a href="#">NP_034021</a>
Pathways:	<a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	<p>Immunohistochemistry: Frozen sections of Mouse Forebrain shows staining of neural cell bodies. Optimal dilution: 1:2000.</p> <p>Western Blot: Approx 75 kDa band observed in Mouse and Rat Brain lysates (calculated MW of 72.3 kDa according to Mouse NP_034021.1 and Rat NP_001164064.1). Recommended concentration: 0.3-1 µg/mL. Primary incubation 1 hour at room temperature.</p> <p>Peptide ELISA: antibody detection limit dilution 1:128000.</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



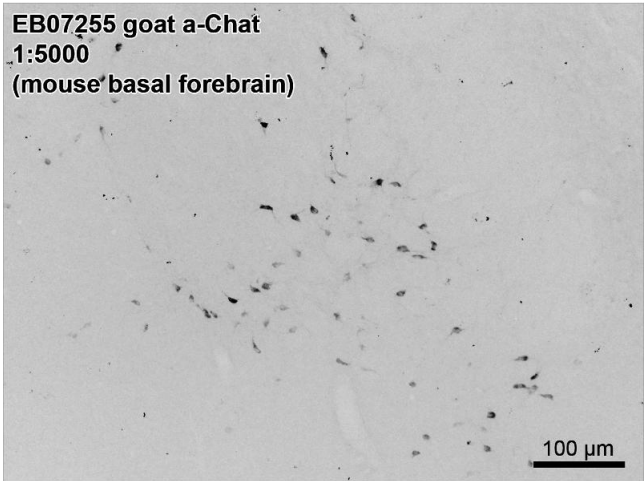
**Image 1.** ABIN185635 (0.2µg/ml) staining of Mouse Brain lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



#### Western Blotting

**Image 2.** ABIN185635 (1µg/ml) staining of Mouse (A) and Rat (B) Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

**EB07255 goat a-Chat**  
**1:5000**  
**(mouse basal forebrain)**



#### Immunohistochemistry

**Image 3.** ABIN185635 (0.1µg/ml) staining of PFA-perfused cryosection of Mouse Basal Forebrain. HRP-staining with Ni-DAB after Biotin-SP-antigoat amplification. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med, Budapest, Hungary.