

Datasheet for ABIN185344

anti-Choline Acetyltransferase antibody (C-Term)



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1 Image

Overview

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

Product Details

Purpose:	Choline acetyltransferase
Immunogen:	Peptide with sequence CKEKATRPSQGHQP, from the C Terminus of the protein sequence according to NP_066264.3, NP_065574.3, NP_001136405.1.
Sequence:	CKEKATRPSQ GHQP
Isotype:	IgG
Specificity:	This antibody is expected to recognise isoform 1 (NP_066264.3), isoform 2 (NP_065574.3) and isoform 3 (NP_001136405.1). Reported variants represent identical protein (NP_066264.3, NP_066265.3, NP_066266.3, NP_001136406.1, NP_001136401.1).
Cross-Reactivity:	Cow, Dog, Human, Pig
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

Product Details

	chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	Choline Acetyltransferase (CHAT)
Alternative Name:	CHAT
Background:	CHAT, choline acetyltransferase, CMS1A, CMS1A2, acetyl CoA:choline O-acetyltransferase
Gene ID:	1103
NCBI Accession:	NP_066264 , NP_065574 , NP_001136405
Pathways:	Skeletal Muscle Fiber Development

Application Details

Application Notes:	Western Blot: Approx 70 kDa band observed in Human Placenta lysates (calculated MW of 70.5 kDa according to NP_065574 and NP_066264). Recommended concentration: 0.03-0.3 µg/mL. Peptide ELISA: antibody detection limit dilution 1:32000.
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. ABIN185344 (0.03µg/ml) staining of Human Placenta lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.