



ChAT Antibody

CATALOG NUMBER: 45-038



Western Blot (0.03ug/ml) staining of Human Placenta lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: antibody detection limit dilution 1:32000. Western Blot: Approx 70kDa band observed in Human Placenta lysates (calculated MW of 70.5kDa according to NP_065574 and NP_066264). Recommended concentration: 0.03-0.3ug/ml.
POSITIVE CONTROL:	1) Cat. No. 1309 - Human Placenta Lysate
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).
IMMUNOGEN:	ChAT antibody was raised against a 14 amino acid synthetic peptide near the C-Terminus of ChAT.
HOST SPECIES:	Goat

Properties

PURIFICATION:	ChAT antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	ChAT antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20°C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	ChAT, CMS1A, CMS1A2, choline acetyltransferase, acetyl CoA:choline O-acetyltransferase, CHOACTASE
ACCESSION NO.:	NP_065574, NP_066264, NP_066265, NP_066266
PROTEIN GI NO.:	188595670

OFFICIAL SYMBOL:	CHAT
GENE ID:	1103

Background

REFERENCES: 1) Madziar B, Lopez-Coviella I, Zemelko V, Berse B. Regulation of cholinergic gene expression by nerve growth factor depends on the phosphatidylinositol-3'-kinase pathway. J Neurochem. 2005 Feb;92(4):767-79.

FOR RESEARCH USE ONLY

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