

ChAT Antibody

ChAT; CMS1A; CMS1A2; choline acetyltransferase; acetyl CoA:choline O-acetyltransferase

CATALOG NO.: 45-038

HOST:

Goat

CLONALITY:

Polyclonal

INFORMATION:

ChAT Antibody. This antibody is expected to recognise both reported isoforms. NP_066264, NP_066265 and NP_066266 are identical proteins representing isoform 1.

SOURCE:

ChAT antibody was raised against a synthetic peptide near the C-terminus of ChAT.

PROTEIN ACCESSION NUMBER(S) :

NP_065574; NP_066264; NP_066265; NP_066266

SPECIES REACTIVITY:

Human, Pig, Dog, Chimpanzee

TESTED APPLICATION:

ELISA, Western Blot

APPLICATION:

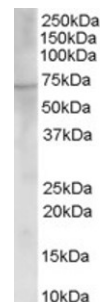
Peptide ELISA: antibody detection limit dilution 1:32,000.
Western Blot: Approx 70kDa band observed in Human Placenta lysates (calculated MW of 70.5kDa according to NP_065574 and NP_066264). Recommended concentration: 0.03-0.3µg/ml.

PURIFICATION:

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

BUFFER:

Antibody is supplied as 0.1mg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Western blot analysis of ChAT in Human Placenta lysate (35µg protein in RIPA buffer) using ChAT antibody (0.03µg/ml).

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

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.

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.