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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB06636 - Goat Anti-Choline acetyltransferase Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: acetyl CoA:choline O-acetyltransferase, CMS1A2, CMS1A, CHAT, choline acetyltransferase

Official Symbol: CHAT

Accession Number(s): NP_066264.3; NP_065574.3; NP_001136405.1

Human GeneID(s): [1103](#)

Important Comments: 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

Peptide with sequence CKEKATRPSQGHQP, from the C Terminus of the protein sequence according to NP_066264.3; NP_065574.3; NP_001136405.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

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

Supplied at 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.

Applications Tested

Peptide 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: 0.03-0.3µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog, Pig, Cow



EB06636 (0.03 μ g/ml) staining of Human Placenta lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.