

## Goat anti-Choline acetyltransferase Antibody

<b>Item Number</b>	dAP-0576
<b>Target Molecule</b>	Principle Name: Choline acetyltransferase; Official Symbol: CHAT; All Names and Symbols: CHAT; choline acetyltransferase; CMS1A; CMS1A2; acetyl CoA:choline O-acetyltransferase; Accession Number (s): NP_066264.3; NP_065574.3; NP_001136405.1; Human Gene ID(s): 1103; Non-Human GeneID(s):
<b>Immunogen</b>	CKEKATRPSQGHQP, is from C Terminus 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;
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	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.
<b>IHC</b>	
<b>Reference</b>	Reference(s): 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. .PMID: 15686478 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**