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PRODUCT SPECIFICATIONS

Product Description:	ChAT (Choline O-Acetyltransferase, E.C. 2.3.1.6) chicken polyclonal anti-peptide antibody mixture
Catalog Number:	CAT
Antibody Concentrations:	One affinity-purified anti-peptide antibody makes up this product. The concentration of this antibody is 100 ug/ml (based on Bradford assay readings using bovine serum albumin as a standard).
Volume:	Regular vials contain 1000 ul of this antibody mixture; Sampler vials contain 200 ul of this mixture.
Buffer:	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production:	Chickens were immunized with a synthetic peptide / keyhole limpet hemocyanin (KLH) conjugate. The peptide corresponded to a region of the Choline Acetyltransferase gene product shared between the human (P28329, NCBI) and mouse (Q03059, NCBI) sequences. After repeated injections, immune eggs were collected, the IgY fractions were purified from the yolks, and then affinity-purified using a peptide column. The concentrations of the eluates were then adjusted to 100 ug/ml, and the preparation was filter-sterilized.
Quality Control:	Quality assurance analysis was performed using immunohistochemistry (at a dilution of 1:2000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage Conditions:	Store at 4°C in the dark. Under these conditions, the antibody should have a shelf life of at least 12 months (provided they remain sterile). Do not freeze the antibody unless you want to store it for longer periods of time. Note, however, that each time an antibody preparation is frozen, about half its binding activity is lost.
Recommended Dilutions:	1:1000-1:2000 for immunohistochemistry and immunocytochemistry using 2% paraformaldehyde-fixed tissues or cells. Please note that these dilutions are meant to serve as starting points, and that optimal dilutions may vary.

NOTE: These antibodies are meant to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.