

Anti-Choline Acetyltransferase (ChAT) Antibody

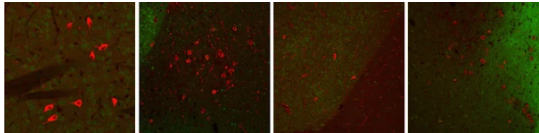


Product Details

Available Variants	1000 µL (SKU:CAT) 100 µL (SKU:CAT-0020)
Isotype	IgY
Gene Name	CHAT
Host Species	Chicken
Concentration	100 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
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 Notes	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 µg/mL, and the preparation was filter-sterilized.
Applications	ICC, IHC
Dilution Ranges	WB: Not Recommended IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide
Molecular Weight	72 kDa

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	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least 12 months (provided they remain sterile). Do not freeze these antibodies unless you want to store them for longer periods of time. Note, however, that each time an antibody preparation is frozen, about half of its binding activity is lost.
Antibody Registry ID	AB_2313537
UniProt ID	<u>P28329</u>
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

Product Images



ChAT-immunoreactivity (RED) in cholinergic neurons within the mouse caudate nucleus in a paraformaldehyde-fixed (4%) paraffin-embedded section of a transgenic adult male C57Black6 mouse. The green staining is low-level GFP immunoreactivity in this transgenic animal. Dr. Felix Eckenstein, University of Vermont

Product Page URL: www.antibodiesinc.com/products/anti-choline-acetyltransferase-antibody-cat

