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## PRODUCT SPECIFICATIONS

Product Description:	<b>TH (Tyrosine Hydroxylase, E.C. 1.14.16.2) chicken polyclonal anti-peptide antibody mixture</b>
Catalog Number:	TH
Antibody Concentrations:	Two different affinity-purified anti-peptide antibodies were combined to make this product. The concentrations of both antibodies were 100 ug/ml (based on Bradford assay readings using bovine serum albumin as a standard), making the total antibody concentration 200 ug/ml.
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 two synthetic peptide / keyhole limpet hemocyanin (KLH) conjugates. These synthetic peptides corresponded to different regions of the Tyrosine Hydroxylase gene product, but were shared between the human (P07101, NCBI) and mouse (P24529, NCBI) sequences. After repeated injections into the hens, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were affinity-purified using a peptide column, and the concentrations of the eluates adjusted to 200 ug/ml. Finally, equal volumes of both affinity-purified anti-peptide antibody preparations were mixed, and the preparation was filter-sterilized.
Quality Control:	Both of the antibodies were analyzed by immunohistochemistry (at a concentration of 3 ug/ml) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage Conditions:	<b>Store at 4°C in the dark.</b> 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 its binding activity is lost.
Recommended Dilutions:	1:1000-1:2000 for immunohistochemistry and immunocytochemistry using 2% paraformaldehyde-fixed tissues or cells. 1:2000-1:5000 for westerns. 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.**