

Anti-Tyrosine Hydroxylase (TYH) Antibody

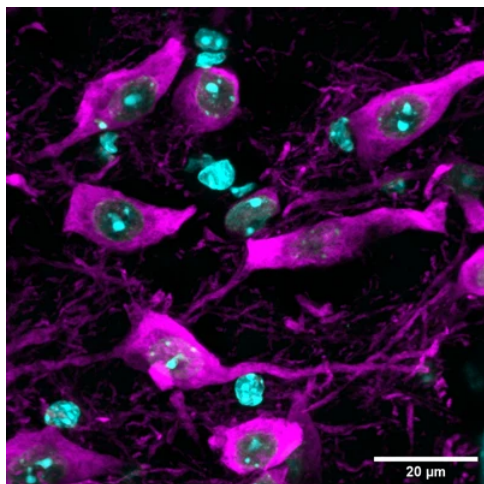


Product Details

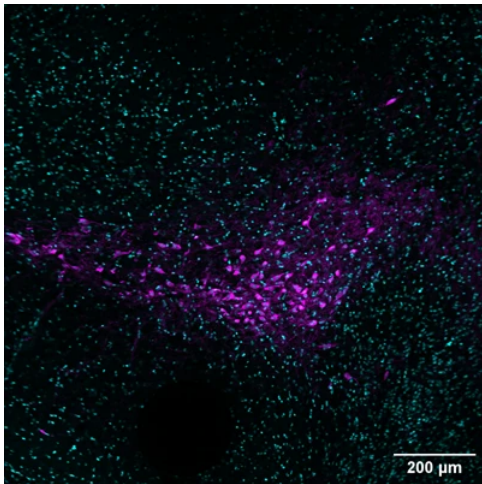
Available Variants	1000 µL (SKU:TYH) 100 µL (SKU:TYH-0020)
Isotype	IgY
Gene Name	TH TYH
Host Species	Chicken
Concentration	200 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with 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 µg/mL. Finally, equal volumes of both affinity-purified anti-peptide antibody preparations were mixed, and the preparation was filter-sterilized.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:1000-1:2000 IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptides

Molecular Weight	60 kDa
Quality Control	Both of the antibodies were analyzed by immunohistochemistry (at a concentration of 3 µg/mL) 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 twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_10013440
UniProt ID	<u>P07101</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.

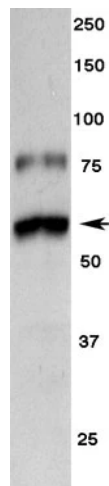
Product Images



Immunostaining of paraformaldehyde-fixed (4%) free-floating sections (50 µm) of the posterior area of the brain (ventral tegmental area/substantia nigra) of an adult mouse brain containing TH+ neurons. TH antibody (Cat. TYH-0020) dilution @ 1:1500 with secondary detection of the chicken antibody with Alexa-647 anti-chicken IgY, 1:1000. (Image courtesy of Antonella Rios, Duke University.)



Immunostaining of paraformaldehyde-fixed (4%) free-floating sections (50 μ m) of the posterior area of the brain (ventral tegmental area/substantia nigra) of an adult mouse brain containing TH+ neurons. TH antibody (Cat. TYH-0020) dilution @ 1:1500 with secondary detection of the chicken antibody with Alexa-647 anti-chicken IgY, 1:1000. (Image courtesy of Antonella Rios, Duke University.)



Western blot showing specific immunolabeling of tyrosine hydroxylase.

Product Page URL: www.antibodiesinc.com/products/anti-tyrosine-hydroxylase-antibody-tyh



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