

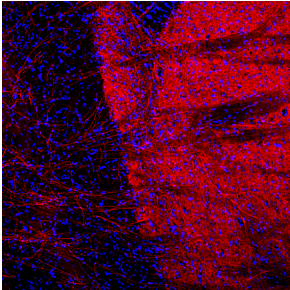
Anti-Tyrosine Hydroxylase Antibody [4H2] (A104315)

Specifications:

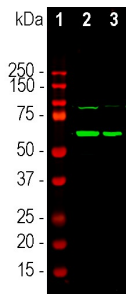
Name:	Anti-Tyrosine Hydroxylase Antibody [4H2]
Description:	Mouse monoclonal (4H2) antibody to Tyrosine Hydroxylase.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:1,000-1:2,000, ICC/IF: 1:1,000, IHC: 1:1,000
Reactivity:	Human, Rat, Mouse
Immunogen:	Recombinant full-length human Tyrosine Hydroxylase (NP_954987.2), expressed in and purified from E. coli.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	4H2
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	58 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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Images:



Immunofluorescent analysis of rat brain section stained with Anti-Tyrosine Hydroxylase Antibody (1:1,000 | red). The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μ M, and free-floating sections were stained with the above antibodies. Anti-Tyrosine Hydroxylase Antibody stains TH expressing neuronal processes, which are particularly numerous in the striatum, at the right of the image.



Western blot analysis of tissue and cell lysates using Anti-Tyrosine Hydroxylase Antibody (1:5,000 | green): [1] protein standard (red), [2] rat brain caudate/putmen and [3] PC12 cells. The strong band at about 58kDa corresponds to TH protein. The weak band at about 80kDa in the rat brain homogenate is of unknown origin, but does not affect the specific cell and process staining of this antibody.