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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Tyrosine Hydroxylase TH Rabbit Monoclonal Antibody

Catalog Number: M01917

Overview

Product Name	Anti-Tyrosine Hydroxylase TH Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Tyrosine Hydroxylase TH Rabbit Monoclonal Antibody catalog # M01917. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal GOO-20
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P07101

Technical Details

Immunogen	A synthesized peptide derived from human Tyrosine Hydroxylase
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 FC 1:20

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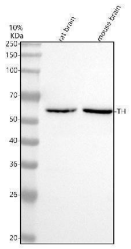
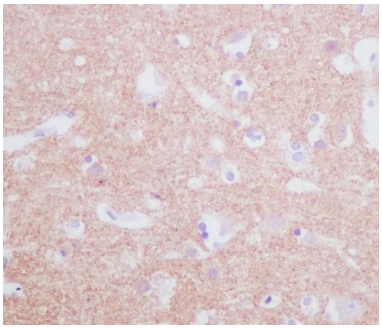
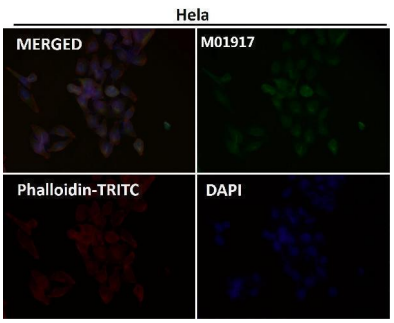
Anti-Tyrosine Hydroxylase TH Rabbit Monoclonal Antibody (M01917) Images



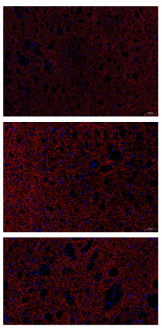
Western blot analysis of TH using anti-TH antibody (M01917). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TH antigen affinity purified monoclonal antibody (M01917) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for TH at approximately 59 kDa. The expected band size for TH is at 59 kDa.



Immunohistochemical analysis of paraffin-embedded human brain, using Tyrosine Hydroxylase Antibody.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



IF analysis of TH using anti-TH antibody (M01917). TH was detected in an immunocytochemical section of mouse brain tissue. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 1:200 rabbit anti-TH Antibody (M01917) overnight at 4°C. DyLight®594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 45 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence

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microscope and filter sets appropriate for the label used.

2 Publications Citing This Product

1. PubMed ID: 23346371, Huang J, Zhu C, Zhang P, Zhu Q, Liu Y, Zhu Z, Wang M, Li W, Yang G, Dong N, Liu J, Chen L, Zhang Y, Yang R, Deng L, Fan J, Wang X, Liu J, Ma B, Fu Q, Wu K. Sci Rep. 2013;3:1114. Doi: 10.1038/Srep01114. Epub 2013 Jan 23. S100+ Cells: A New Neuro-Im...

2. PubMed ID: 22553539, Wan C, Liu Nn, Liu Lm, Cai N, Chen L. Int J Ophthalmol. 2010;3(2):145-8. Doi: 10.3980/J.Issn.2222-3959.2010.02.12. Epub 2010 Jun 18. Effect Of Adenovirus-Mediated Brain Derived Neurotrophic Factor In Early Retinal Neuropathy Of Diabetes In Rats.

Visit bosterbio.com/anti-tyrosine-hydroxylase-rabbit-monoclonal-antibody-m01917-boster.html to see all 2 publications.

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