

For Research Use Only

TH Polyclonal antibody, PBS Only

Catalog Number: 25859-1-PBS



Basic Information

Catalog Number:

25859-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23075

GenBank Accession Number:

BC104967

GeneID (NCBI):

7054

UNIPROT ID:

P07101

Full Name:

tyrosine hydroxylase

Calculated MW:

528 aa, 59 kDa

Observed MW:

55-60 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IF-Fro, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

TH (Tyrosine 3-monooxygenase) converts L-tyrosine to L-3,4-dihydroxyphenylalanine (L-DOPA), the essential and rate-limiting step to formation of dopamine and other catecholamines. TH plays an important role in the physiology of adrenergic neurons and can be used as a marker for dopaminergic and noradrenergic neurons. This protein has 6 isoforms produced by alternative splicing with the MW from 44 kDa to 58 kDa.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

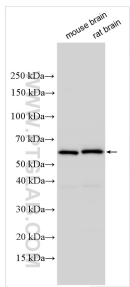
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

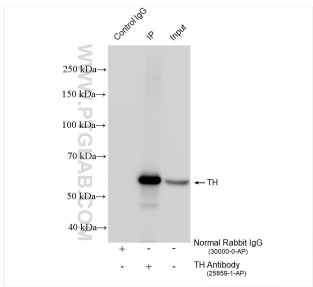
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

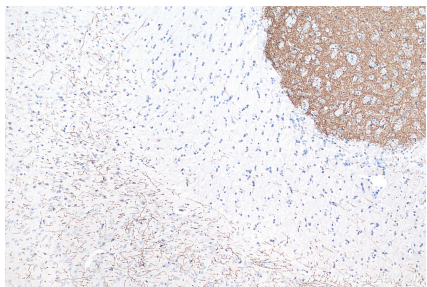
Selected Validation Data



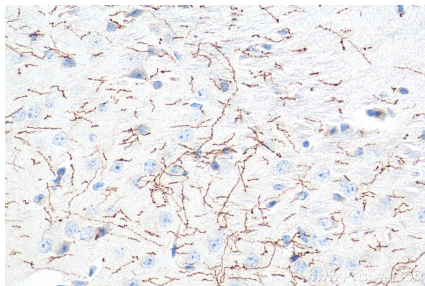
Various lysates were subjected to SDS PAGE followed by western blot with 25859-1-AP (TH antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 25859-1-PBS in a different storage buffer formulation.



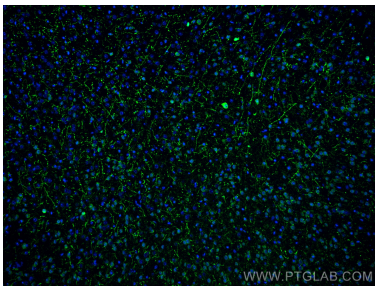
IP result of anti-TH (IP:25859-1-AP, 4ug; Detection:25859-1-AP 1:20000) with mouse brain tissue lysate 2120 ug. This data was developed using the same antibody clone with 25859-1-PBS in a different storage buffer formulation.



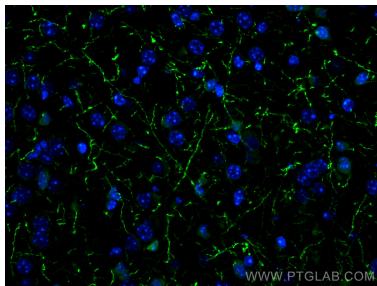
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25859-1-AP (TH antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 25859-1-PBS in a different storage buffer formulation.



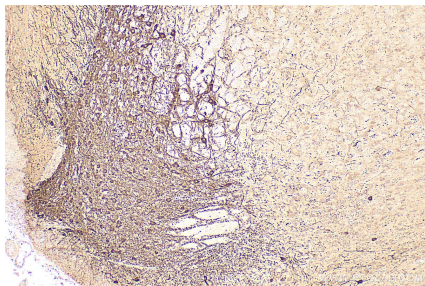
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25859-1-AP (TH antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 25859-1-PBS in a different storage buffer formulation.



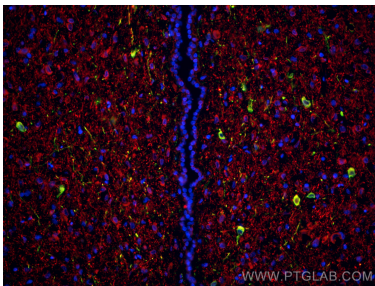
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using TH antibody (25859-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 25859-1-PBS in a different storage buffer formulation.



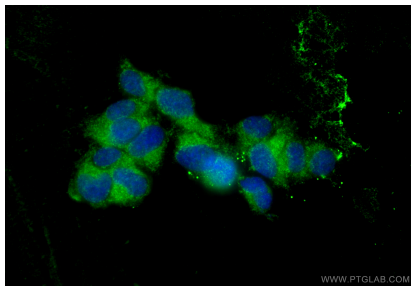
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using TH antibody (25859-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 25859-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25859-1-AP (TH antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 25859-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded rat brain tissue using TH antibody (25859-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), MAP2 antibody (67015-1-Ig, Clone: 1C3E6, red). This data was developed using the same antibody clone with 25859-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed PC-12 cells using TH antibody (25859-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 25859-1-PBS in a different storage buffer formulation.