

For Research Use Only

TH Recombinant monoclonal antibody

Catalog Number: 85929-5-RR



Basic Information

Catalog Number:

85929-5-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23034

GenBank Accession Number:

BC104967

GeneID (NCBI):

7054

UNIPROT ID:

P07101

Full Name:

tyrosine hydroxylase

Calculated MW:

528 aa, 59 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

250146D7

Recommended Dilutions:

WB: 1:1000-1:6000

IHC: 1:1250-1:5000

IF-P: 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : rat brain tissue, PC-12 cells, mouse brain tissue, fetal human brain tissue

IHC : mouse brain tissue, human colon tissue

IF-P : rat brain tissue, mouse brain tissue

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.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

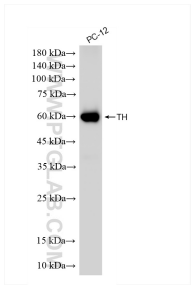
T: 4006900926

E: Proteintech-CN@ptglab.com

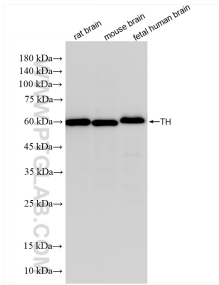
W: ptgcn.com

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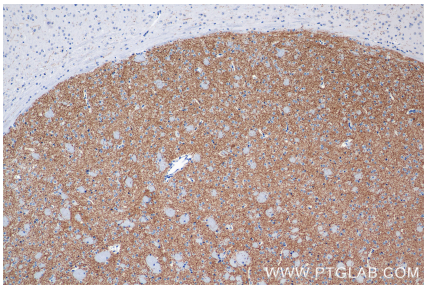
Selected Validation Data



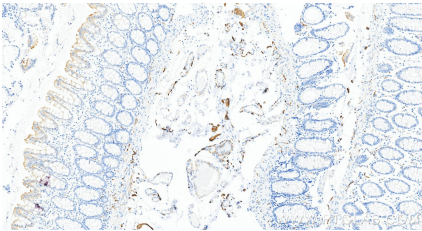
PC-12 cells were subjected to SDS PAGE followed by western blot with 85929-5-RR (TH antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



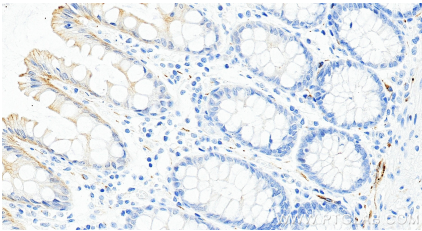
Various lysates were subjected to SDS PAGE followed by western blot with 85929-5-RR (TH antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



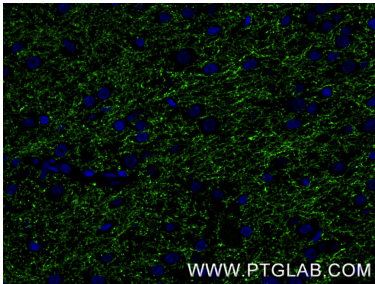
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85929-5-RR (TH antibody) at dilution of 1:2500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



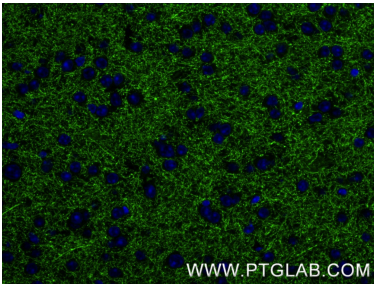
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 85929-5-RR (TH antibody) at dilution of 1:30000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



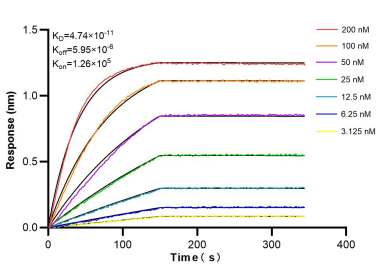
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 85929-5-RR (TH antibody) at dilution of 1:30000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using TH antibody (85929-5-RR, Clone: 250146D7) at dilution of 1:1000 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using TH antibody (85929-5-RR, Clone: 250146D7) at dilution of 1:1000 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 85929-5-RR against Human TH were performed. The affinity constant is 47.4 pM.