For Research Use Only

TH Recombinant monoclonal antibody, PBS Only

Catalog Number:85929-5-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
85929-5-PBS

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

Applications

Tested Applications:
WB, IHC, IF-P, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

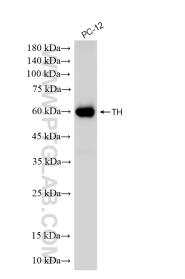
TH(Tyrosine 3-monooxygenase) converts L-tyrosine to L-3,4-dihydroxyphenylalanine (L-DOPA), the essential and rate-limiting step to formation of dopamine and other catecholamines. TH plays an important role in the physiology of adrenergic neurons and can be used as a marker for dopaminergic and noradrenergic neurons.

Storage

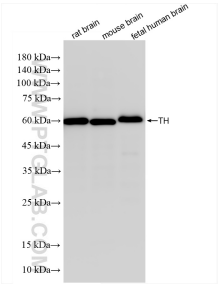
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

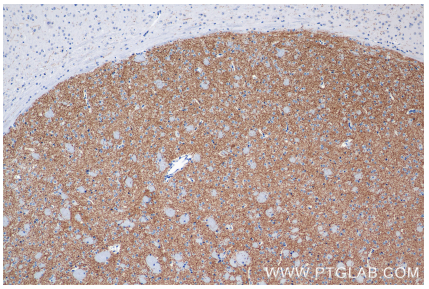
Selected Validation Data



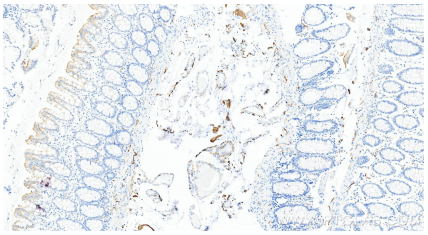
PC-12 cells were subjected to SDS PAGE followed by western blot with 85929-5-RR (TH antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85929-5-PBS in a different storage buffer formulation.



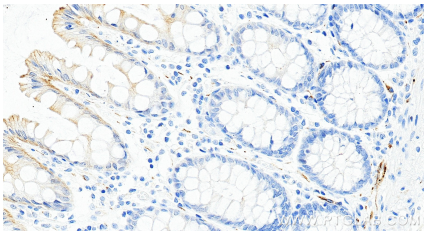
Various lysates were subjected to SDS PAGE followed by western blot with 85929-5-RR (TH antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85929-5-PBS in a different storage buffer formulation.



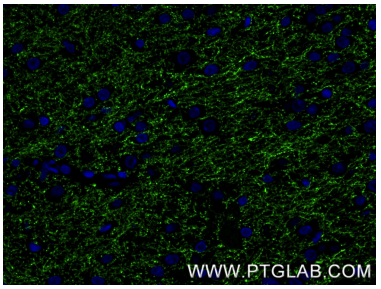
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85929-5-RR (TH antibody) at dilution of 1:2500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85929-5-PBS in a different storage buffer formulation.



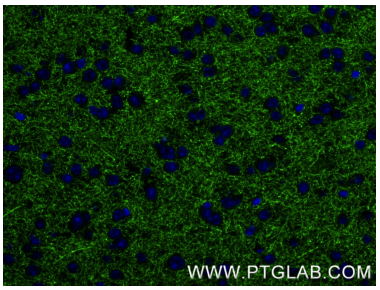
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 85929-5-RR (TH antibody) at dilution of 1:30000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85929-5-PBS in a different storage buffer formulation.



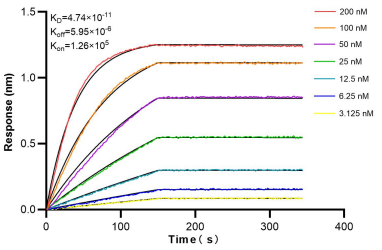
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 85929-5-RR (TH antibody) at dilution of 1:30000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85929-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 85929-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 85929-5-PBS in a different storage buffer formulation.



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