For Research Use Only

TH Recombinant monoclonal antibody

Catalog Number:85929-5-RR

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Basic Information

Catalog Number:
85929-5-RR

Concentration:
1000 μg/ml

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

Applications

Tested Applications:
WB, IHC, 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,

Background Information

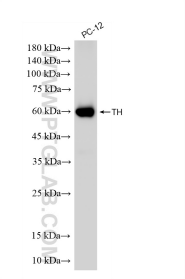
TH(Tyrosine 3-monooxygenase) converts L-tyrosine to L-3,4-dihydroxyphenylalanine (L-DOPA), the essential and rate-limiting step to formation of dopamine and other catecholamines. TH plays an important role in the physiology of adrenergic neurons and can be used as a marker for dopaminergic and noradrenergic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

Storage

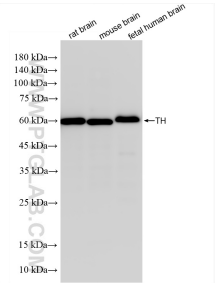
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

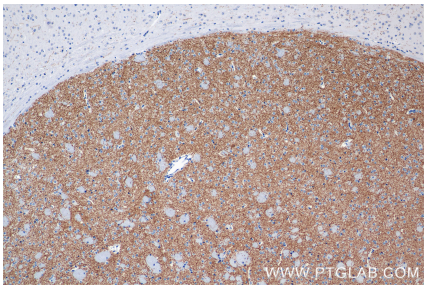
Selected Validation Data



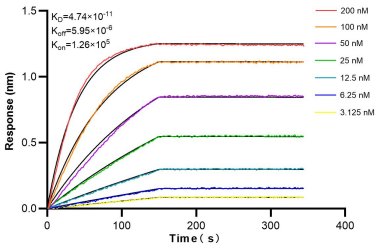
PC-12 cells were subjected to SDS PAGE followed by western blot with 85929-5-RR (TH antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).



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