

For Research Use Only

Multi-rAb® TH Multi-Recombinant antibody

Catalog Number: RMX00053



Basic Information

Catalog Number: RMX00053	GenBank Accession Number: BC104967	Purification Method: N/A
Source: Rabbit	GeneID (NCBI): 7054	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:5000-1:20000 IF/ICC: 1:200-1:800
Isotype: IgG	UNIPROT ID: P07101	
	Full Name: tyrosine hydroxylase	
	Calculated MW: 528 aa, 59 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse brain tissue, rat brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse brain tissue, IF/ICC : PC-12 cells,

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.
Aliquoting is unnecessary for -20°C storage

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

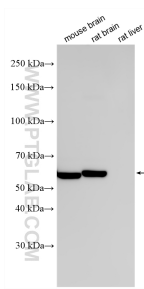
T: 4006900926

E: Proteintech-CN@ptglab.com

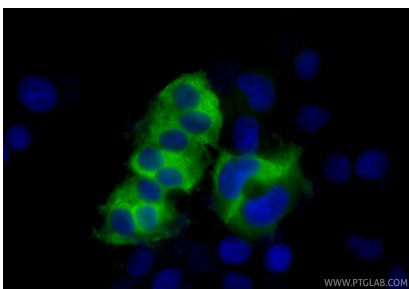
W: ptgcn.com

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

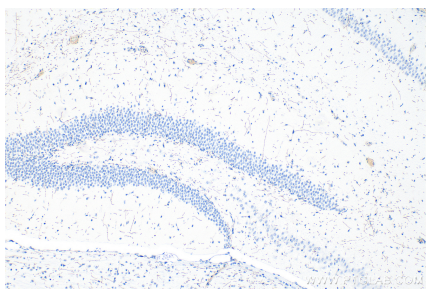
Selected Validation Data



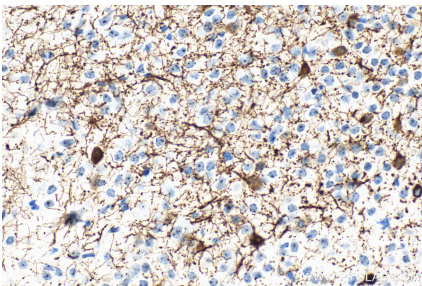
Various lysates were subjected to SDS PAGE followed by western blot with RMX00053 (TH antibody) at dilution of 1:25000 incubated at room temperature for 1.5 hours.



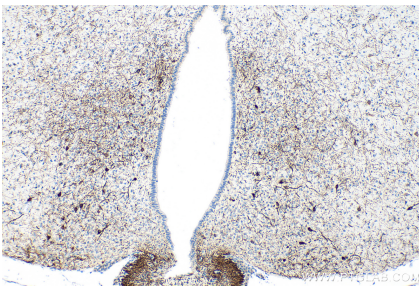
Immunofluorescent analysis of (4% PFA) fixed PC-12 cells using TH antibody (RMX00053) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using RMX00053 (TH antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using RMX00053 (TH antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using RMX00053 (TH antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).