

For Research Use Only

TH Recombinant monoclonal antibody, PBS Only

Catalog Number: 85929-5-PBS



Basic Information

Catalog Number:	85929-5-PBS	GenBank Accession Number:	BC104967	Purification Method:	Protein A purification
Size:	1000ug, Concentration: 1 mg/ml by Nanodrop;	GenelD (NCBI):	7054	CloneNo.:	250146D7
Source:	Rabbit	UNIPROT ID:	P07101	Full Name:	tyrosine hydroxylase
Isotype:	IgG	Calculated MW:	528 aa, 59 kDa	Observed MW:	60 kDa
Immunogen Catalog Number:	AG23034				

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

TH(Tyrosine 3-monoxygenase) 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.

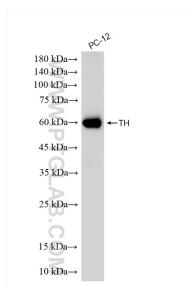
Storage Buffer:

PBS only, pH7.3

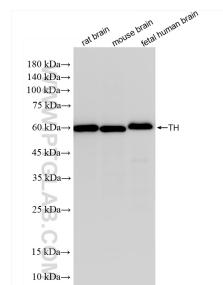
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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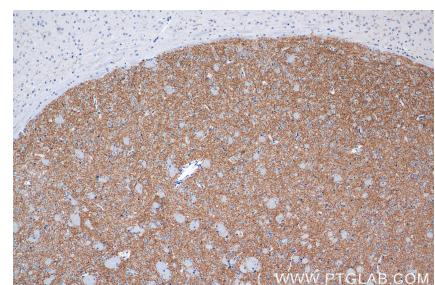
Selected Validation Data



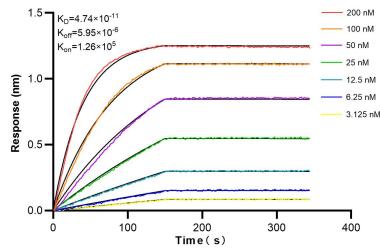
PC-12 cells were subjected to SDS PAGE followed by western blot with 85929-5-RR (TH antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85929-5-PBS in a different storage buffer formulation.



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.



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