

For Research Use Only

TH Monoclonal ANTIBODY



Catalog Number: 66334-1-Ig

Featured Product

7 Publications

Basic Information

Catalog Number:

66334-1-Ig

Size:

150UL, Concentration: 1000 µg/ml by 7054

Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG23075

GenBank Accession Number:

BC104967

GeneID (NCBI):

7054

Full Name:

tyrosine hydroxylase

Calculated MW:

528 aa, 59 kDa

Observed MW:

55 kDa

Purification Method:

Protein G purification

CloneNo.:

2H7B7

Recommended Dilutions:

WB 1:3000-1:20000

IF 1:50-1:500

Applications

Tested Applications:

IF, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : PC-12 cells, SH-SY5Y cells

IF : SH-SY5Y 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 DA and other catecholamines. TH plays an important role in the physiology of adrenergic neurons and can be used as a marker for DA and noradrenergic neurons.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuan Qian	31087449	CNS Neurosci Ther	IHC
Xingfang Guo	30949126	Front Neurol	IF
Saki Hirofuji	29534967	Biochem Biophys Res Commun	IF

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

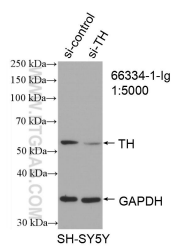
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

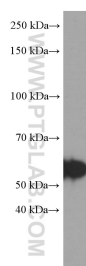
E: proteintech@ptglab.com
W: ptglab.com

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

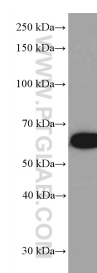
Selected Validation Data



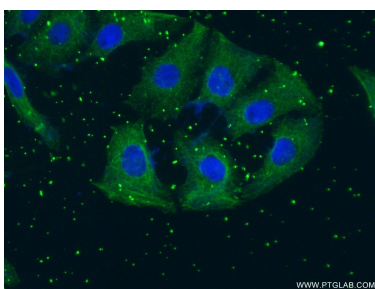
WB result of TH antibody (66334-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TH transfected SH-SY5Y cells.



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 66334-1-Ig (TH Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



PC-12 cells were subjected to SDS PAGE followed by western blot with 66334-1-Ig (TH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20 Ethanol) fixed SH-SY5Y cells using 66334-1-Ig(TH antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).