

For Research Use Only

# TH Monoclonal antibody, PBS Only

Catalog Number: 66334-1-PBS

Featured Product



## Basic Information

Catalog Number:

66334-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG23075

GenBank Accession Number:

BC104967

GeneID (NCBI):

7054

UNIPROT ID:

P07101

Full Name:

tyrosine hydroxylase

Calculated MW:

528 aa, 59 kDa

Observed MW:

55 kDa

Purification Method:

Protein G purification

CloneNo.:

2H7B7

## Applications

Tested Applications:

WB, Indirect ELISA, IF

Species Specificity:

human

## 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 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.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

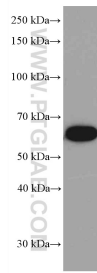
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

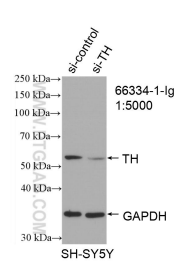
W: [ptgcn.com](http://ptgcn.com)

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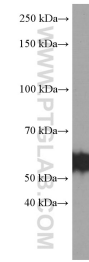
## Selected Validation Data



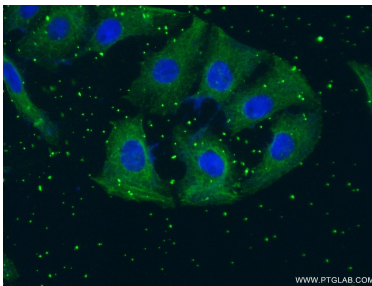
PC-12 cells were subjected to SDS PAGE followed by western blot with 66334-1-Ig (TH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66334-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66334-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66334-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C 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). This data was developed using the same antibody clone with 66334-1-PBS in a different storage buffer formulation.