

For Research Use Only

# CoraLite® Plus 488-conjugated TH Polyclonal antibody



Catalog Number: CL488-25859

1 Publications

## Basic Information

Catalog Number:

CL488-25859

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

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:

50-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

rat

Positive Controls:

IF : 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. This protein has 6 isoforms produced by alternative splicing with the MW from 44 kDa to 58 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Anqi Wang	37840624	Neuropsychiatr Dis Treat	IF

## Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

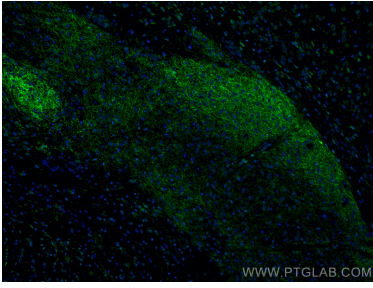
T: 4006900926

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

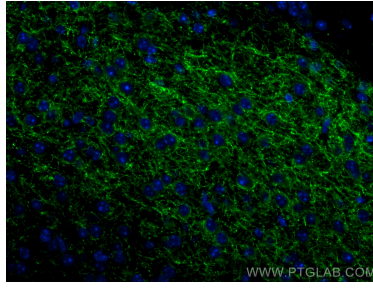
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 TH antibody (CL488-25859) at dilution of 1:200.



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