

# CoraLite®594-conjugated TH Polyclonal antibody

Catalog Number: **CL594-25859**

## Basic Information

### Catalog Number:

CL594-25859

### 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:

588 nm / 604 nm

## Applications

### Tested Applications:

IF-P

### Species Specificity:

human, mouse, 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.

## Storage

### Storage:

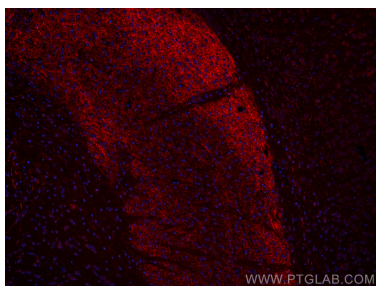
Store at -20°C. Avoid exposure to light.

### Storage Buffer:

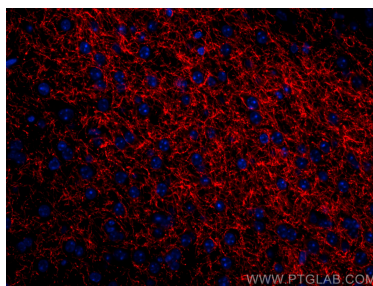
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® 594 TH antibody (CL594-25859) at dilution of 1:200.



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