

For Research Use Only

# CoraLite®594-conjugated TH Polyclonal antibody



Catalog Number: CL594-25859

## Basic Information

<b>Catalog Number:</b> CL594-25859	<b>GenBank Accession Number:</b> BC104967	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7054	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> tyrosine hydroxylase	<b>Excitation/Emission maxima wavelengths:</b> 593 nm/614 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 528 aa, 59 kDa	
<b>Immunogen Catalog Number:</b> AG23075	<b>Observed MW:</b> 50-55 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : mouse brain tissue,
<b>Species Specificity:</b> human, mouse, rat	

## 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

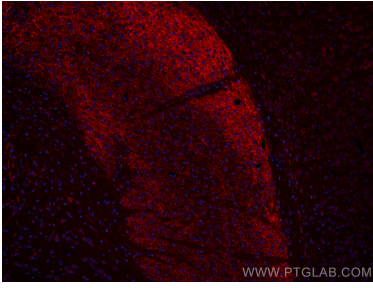
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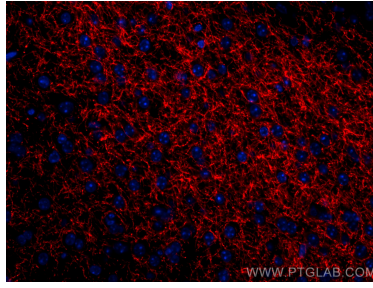
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## Selected Validation Data



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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