

For Research Use Only

# CoraLite®594-conjugated SOX10 Monoclonal antibody



Catalog Number:CL594-66786

## Basic Information

Catalog Number:

CL594-66786

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG23191

GenBank Accession Number:

BC002824

GeneID (NCBI):

6663

UNIPROT ID:

P56693

Full Name:

SRY (sex determining region Y)-box  
10

Calculated MW:

50 kDa

Observed MW:

Purification Method:

Protein A purification

CloneNo.:

1D2C8

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

FC (Intra), IF-P

Species Specificity:

Human, Mouse, rat

Positive Controls:

IF : mouse brain tissue, rat brain tissue

## Background Information

Sox10 is a transcription factor that has a crucial role in complex signalling pathways regulating central nervous system and neural crest development. The calculated molecular weight of SOX10 is 50 kDa, but modified SOX10 is about 55-60 kDa. (PMID: 23799842)

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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:

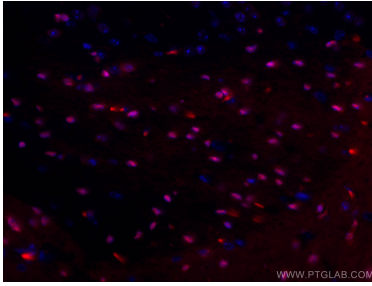
T: 4006900926

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

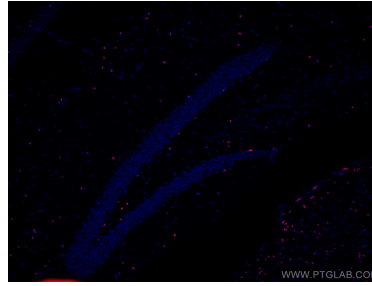
W: [ptgcn.com](http://ptgcn.com)

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

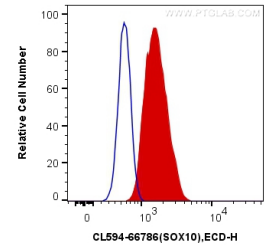
## Selected Validation Data



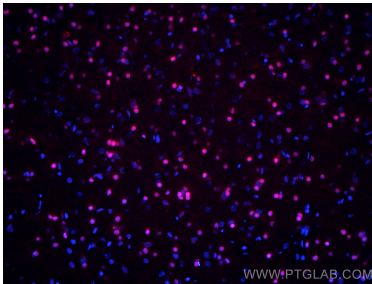
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite@594-conjugated SOX10 antibody (CL594-66786, Clone: 1D2C8) at dilution of 1:100.



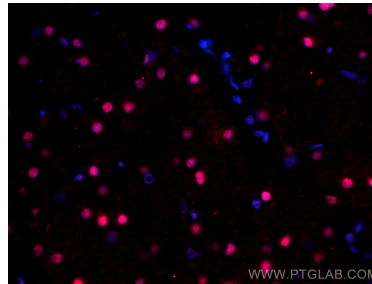
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite@594 SOX10 antibody (CL594-66786, Clone: 1D2C8) at dilution of 1:200. DAPI (blue).



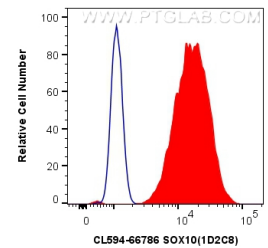
1X10<sup>6</sup> C6 cells were intracellularly stained with 0.2 ug CoraLite@594 Anti-Human SOX10 (CL594-66786, Clone:1D2C8) (red), or 0.2 ug Mouse IgG2a Isotype Control (CL594-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite@594 SOX10 antibody (CL594-66786, Clone: 1D2C8) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite@594 SOX10 antibody (CL594-66786, Clone: 1D2C8) at dilution of 1:200.



1X10<sup>6</sup> C6 cells were intracellularly stained with 0.4 ug CoraLite@594 Anti-Human SOX10 (CL594-66786, Clone:1D2C8) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL594-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).