

For Research Use Only

# CoraLite®594-conjugated SOX10 Monoclonal antibody



Catalog Number:CL594-66786

## Basic Information

<b>Catalog Number:</b> CL594-66786	<b>GenBank Accession Number:</b> BC002824	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6663	<b>CloneNo.:</b> 1D2C8
<b>Source:</b> Mouse	<b>Full Name:</b> SRY (sex determining region Y)-box 10	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 50 kDa	<b>Excitation/Emission maxima wavelengths:</b> 594 nm / 615 nm
<b>Immunogen Catalog Number:</b> AG23191	<b>Observed MW:</b>	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> Human, Mouse, rat	

## 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

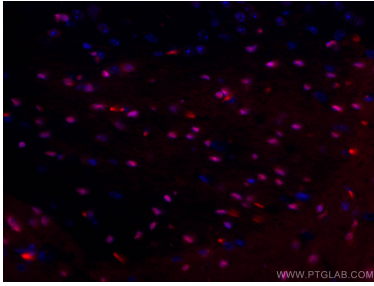
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

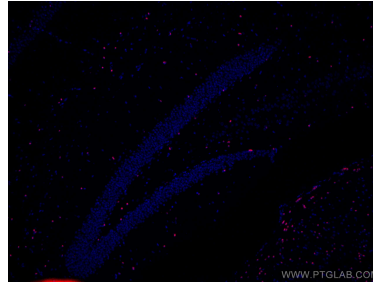
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

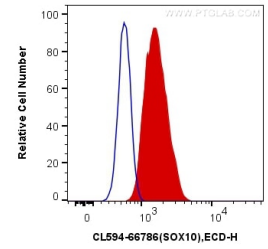
## Selected Validation Data



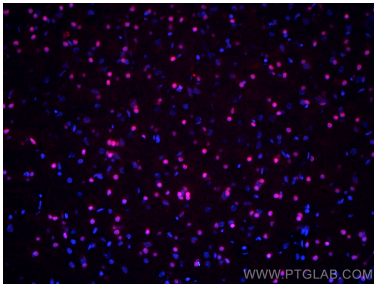
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite@594-conjugated SOX10 antibody (CL594-66786, Clone: 1D2C8) at dilution of 1:100.



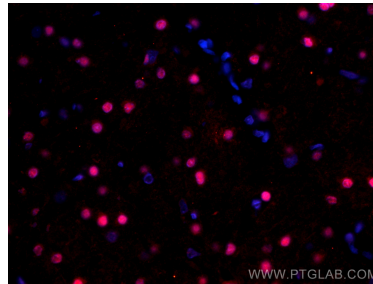
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite@594 SOX10 antibody (CL594-66786, Clone: 1D2C8) at dilution of 1:200. DAPI (blue).



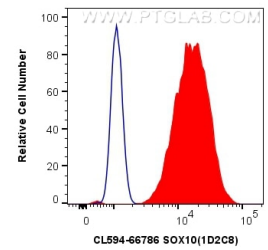
1X10<sup>6</sup> C6 cells were intracellularly stained with 0.2 ug CoraLite@594 Anti-Human SOX10 (CL594-66786, Clone:1D2C8) (red), or 0.2 ug Mouse IgG2a Isotype Control (CL594-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



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).