For Research Use Only

# CoraLite® Plus 488-conjugated SOX10 Monoclonal antibody

Catalog Number:CL488-66786

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## Basic Information

Catalog Number:
CL488-66786

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

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

Purification Method:
Protein A purification

CloneNo.:
1D2C8

Recommended Dilutions:
IF-P: 1:50-1:500
FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

## Applications

Tested Applications:
IF-P, FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

IF-P : mouse brain tissue, rat brain tissue

FC (Intra) : C6 cells,

## 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 calcualted molecular weight of SOX10 is 50 kDa, but modified SOX10 is about 55-60 kDa. (PMID: 23799842)

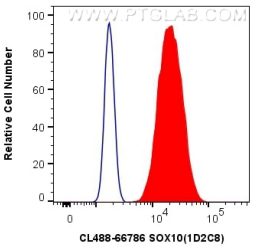
## Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

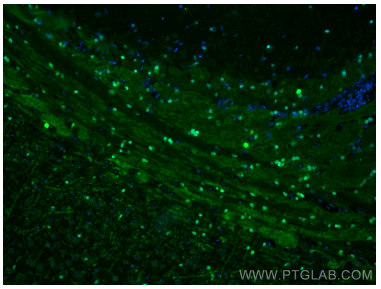
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

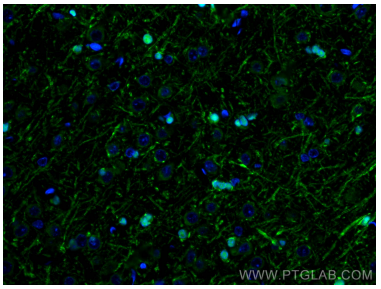
## Selected Validation Data




1X10^6 C6 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human SOX10 (CL488-66786, Clone:1D2C8) (red), or 0.4 ug CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).




Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 SOX10 antibody (CL488-66786, Clone: 1D2C8 ) at dilution of 1:200.




Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite® Plus 488 SOX10 antibody (CL488-66786, Clone: 1D2C8 ) at dilution of 1:200.