

For Research Use Only

# SOX10 Polyclonal antibody, PBS Only

Catalog Number: 10422-1-PBS



## Basic Information

**Catalog Number:**

10422-1-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0673

**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:**

50-60 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IF-Fro, FC (Intra), IP, Indirect ELISA

**Species Specificity:**

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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

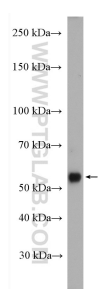
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

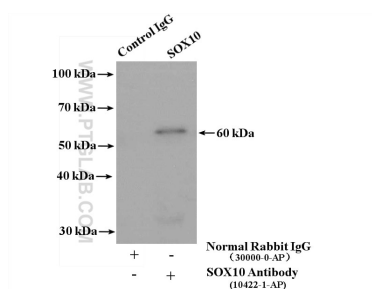
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

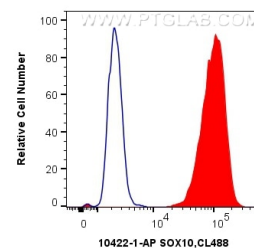
## Selected Validation Data



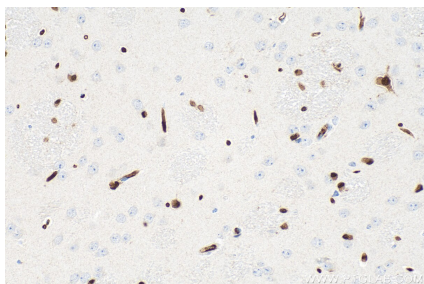
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10422-1-AP (SOX10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10422-1-PBS in a different storage buffer formulation.



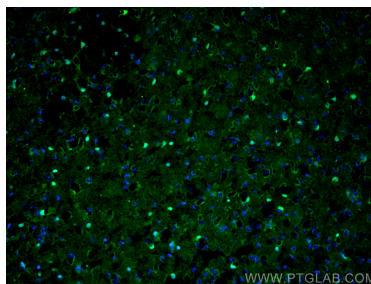
IP result of anti-SOX10 (IP:10422-1-AP, 4ug; Detection:10422-1-AP 1:2000) with mouse colon tissue lysate 4000 ug. This data was developed using the same antibody clone with 10422-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> C6 cells were intracellularly stained with 0.4 ug Anti-Human SOX10 (10422-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 10422-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10422-1-AP (SOX10 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10422-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse brain tissue using SOX10 antibody (10422-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 10422-1-PBS in a different storage buffer formulation.