

## SOX10 Polyclonal antibody

Catalog Number: 10422-1-AP

16 Publications

## Basic Information

## Catalog Number:

10422-1-AP

## Size:

800 µg/ml

## 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

## Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 µg for 1.0-3.0 mg of total  
protein lysate

IHC 1:50-1:500

## Applications

## Tested Applications:

FC, IHC, IP, WB, ELISA

## Cited Applications:

WB, IF, IHC, CoIP

## Species Specificity:

human, mouse, rat

## Cited Species:

human, rat, mouse

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

## Positive Controls:

WB : mouse brain tissue, mouse small intestine tissue,  
SH-SY5Y cells

IP : mouse colon tissue,

IHC : human 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)

## Notable Publications

Author	Pubmed ID	Journal	Application
Fränze Progoatzky	34671159	Nature	IHC
Gelei Xiao	36524115	Front Immunol	IF
Erge Zhang	32572506	J Mol Med (Berl)	IF

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

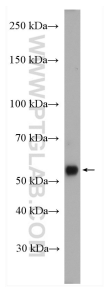
For technical support and original validation data for this product please contact:

T: 4006900926

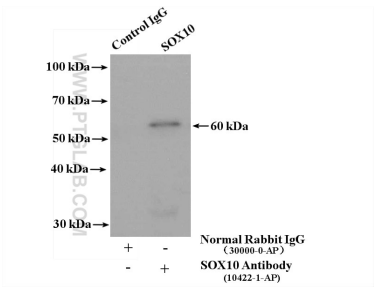
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Group brand and is not available to purchase from any  
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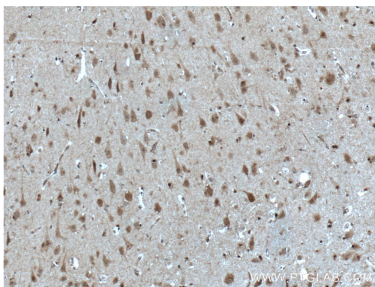
Selected Validation Data



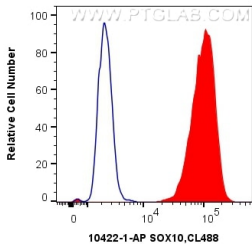
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10422-1-AP (SOX10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-SOX10 (IP:10422-1-AP, 4ug; Detection:10422-1-AP 1:2000) with mouse colon tissue lysate 4000 ug.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 10422-1-AP (SOX10 antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).