

For Research Use Only

SOX10 Polyclonal antibody

Catalog Number: 10422-1-AP **16 Publications**



Basic Information

Catalog Number: 10422-1-AP	GenBank Accession Number: BC002824	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 800 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6663	Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: SRY (sex determining region Y)-box 10	
Isotype: IgG	Calculated MW: 50 kDa	
Immunogen Catalog Number: AG0673	Observed MW: 50-60 kDa	

Applications

Tested Applications:
FC, IHC, IP, WB, ELISA

Cited Applications:
CoIP, IF, IHC, WB

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 Progzatzky	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

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

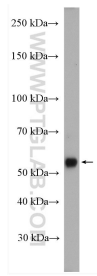
For technical support and original validation data for this product please contact:

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

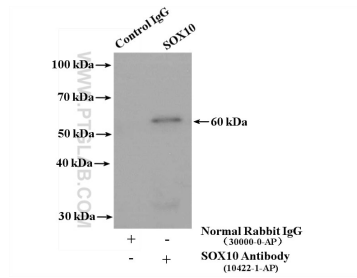
E: proteintech@ptglab.com
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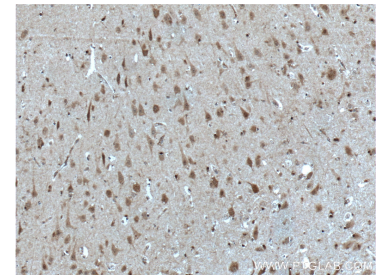
Selected Validation Data



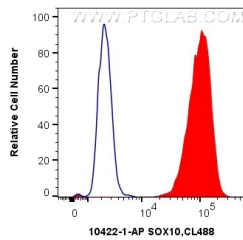
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10422-1-AP (SOX10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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).



1X10⁶ 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).