

For Research Use Only

SOX10 Polyclonal antibody, PBS Only

Catalog Number: 10422-1-PBS



Basic Information

Catalog Number:

10422-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0673

GenBank Accession Number:

BC002824

GeneID (NCBI):

6663

UNIPROT ID:

P56693

Full Name:

SRX (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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

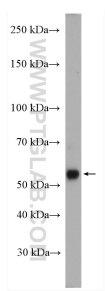
T: 4006900926

E: Proteintech-CN@ptglab.com

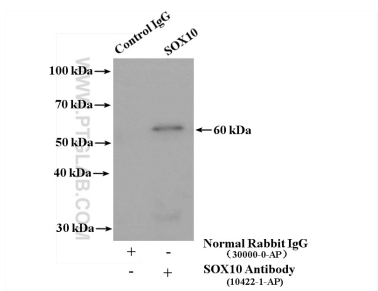
W: ptgcn.com

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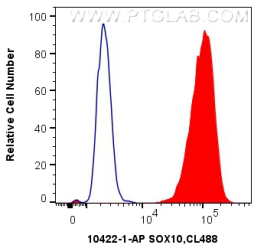
Selected Validation Data



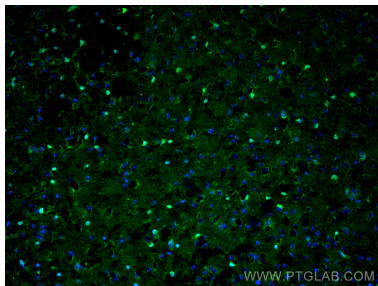
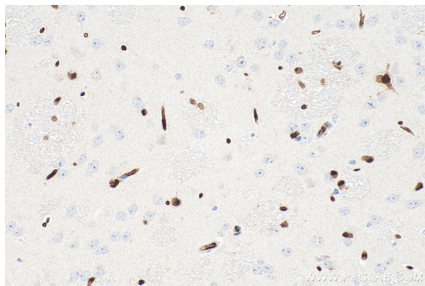
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10422-1-AP (SOX10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10422-1-PBS in a different storage buffer formulation.



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.



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). 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.