# SOX10 Rabbit mAb

Catalog No.: A8658 Recombinant



## **Basic Information**

### **Observed MW**

55-75kDa

### **Calculated MW**

31kDa/50kDa

### Category

Primary antibody

### **Applications**

WB,IHC-P,IF/ICC,IP,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

ARC1768

## **Background**

This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. This protein acts as a nucleocytoplasmic shuttle protein and is important for neural crest and peripheral nervous system development. Mutations in this gene are associated with Waardenburg-Shah and Waardenburg-Hirschsprung disease.

## **Recommended Dilutions**

**WB** 1:500 - 1:2000

**IHC-P** 1:50 - 1:200

**IF/ICC** 1:50 - 1:200

**IP** 0.5μg-4μg antibody for

200μg-400μg extracts of

whole cells

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

### **Contact**

2	400-999-6126
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•	www.abclonal.com.cn

## **Immunogen Information**

**Gene ID Swiss Prot**6663
P56693

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

DOM; WS4; PCWH; WS2E; WS4C; SOX-10; SOX10

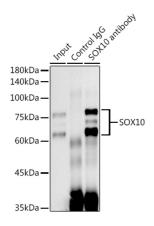
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

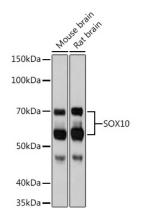
#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation analysis of 300  $\mu$ g extracts of C6 cells using 3  $\mu$ g SOX10 antibody (A8658). Western blot was performed from the immunoprecipitate using SOX10 antibody (A8658) at a dilution of 1:1000.



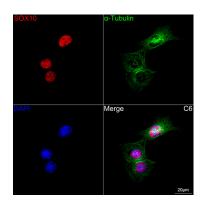
Western blot analysis of various lysates using SOX10 Rabbit mAb (A8658) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

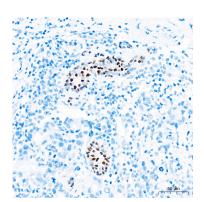
Exposure time: 3min.



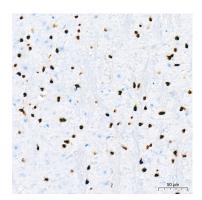
Confocal imaging of C6 cells using SOX10 Rabbit mAb (A8658, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



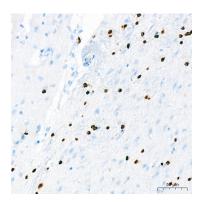
Immunohistochemistry analysis of paraffinembedded Human brain tissue using SOX10 Rabbit mAb (A8658) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human breast tissue using SOX10 Rabbit mAb (A8658) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse brain tissue using SOX10 Rabbit mAb (A8658) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat brain tissue using SOX10 Rabbit mAb (A8658) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.