# SOX4 Rabbit mAb

Catalog No.: A21222 Recombinant 1 Publications



# **Basic Information**

### **Observed MW**

60kDa

#### **Calculated MW**

47kDa

### Category

Primary antibody

### **Applications**

WB,IP,IF-P,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

### CloneNo number

ARC52962

# **Background**

This intronless 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 regulator after forming a protein complex with other proteins, such as syndecan binding protein (syntenin). The protein may function in the apoptosis pathway leading to cell death as well as to tumorigenesis and may mediate downstream effects of parathyroid hormone (PTH) and PTH-related protein (PTHrP) in bone development. The solution structure has been resolved for the HMG-box of a similar mouse protein.

# **Recommended Dilutions**

**WB** 1:2000 - 1:10000

IP 1:50 - 1:200

IF-P 1:50 - 1:200

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

# **Immunogen Information**

**Gene ID**Swiss Prot
6659
Q06945

### **Immunogen**

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

### **Synonyms**

CSS10; EVI16; SOX4

# **Contact**

<u>a</u>		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
•	Ī	www.abclonal.com.cn

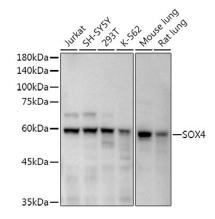
# **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

### Storage

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

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

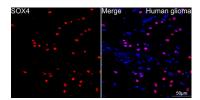


Western blot analysis of various lysates using SOX4 Rabbit mAb (A21222) at1:10000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 20s.



Confocal imaging of human glioma using SOX4 Rabbit mAb (A21222,dilution 1:100)(Red). DAPI was used for nuclear staining (blue). Objective: 40x.Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.