

A19118

Leader in Biomolecular Solutions for Life Science



## SOX2 Rabbit mAb

Catalog No.: A19118

Recombinant

6 Publications

### Basic Information

#### Observed MW

35kDa

#### Calculated MW

34kDa

#### Category

SMab Recombinant Monoclonal  
Antibody

#### Applications

WB,IF/ICC,ELISA

#### Cross-Reactivity

Mouse,Rat

#### CloneNo number

ARC0449

### Recommended Dilutions

WB 1:1000 - 1:2000

IF/ICC 1:100 - 1:800

ELISA Recommended starting  
concentration is 1  
µg/mL. Please optimize  
the concentration  
based on your specific  
assay requirements.

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Background

This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT).

### Immunogen Information

#### Gene ID

6657

#### Swiss Prot

P48431

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human SOX2 (NP\_003097.1).

#### Synonyms

ANOP3; MCOPS3; SOX2

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

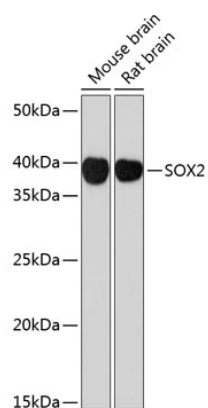
Affinity purification

#### Storage

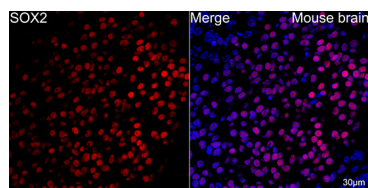
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of various lysates using SOX2 Rabbit mAb (A19118) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (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: 90s.



Confocal imaging of mouse brain(frozen section) using SOX2 Rabbit mAb (A19118,at dilution of 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 40x.Perform microwave antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.