

SOX2 Rabbit mAb

Catalog No.: A19118 **Recombinant** **10 Publications**

Basic Information

Observed MW

35kDa

Calculated MW

34kDa

Category

Primary antibody

Applications

WB,IF-F,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC0449

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).

Recommended Dilutions

WB 1:1000 - 1:2000

IF-F 1:100 - 1:800

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

Immunogen Information

Gene ID

6657

Swiss Prot

P48431

Immunogen

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

Synonyms

ANOP3; MCOPS3; SOX2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

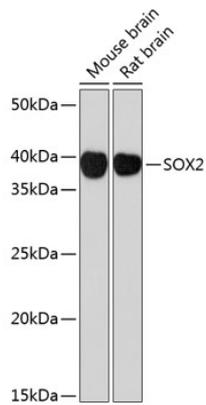
Affinity purification

Storage

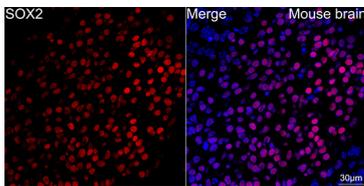
Store at -20°C. Avoid freeze / thaw cycles.

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.

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.