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SOX2 Rabbit mAb

Catalog No.: A19118   `Recombinant`   `5 Publications`

Basic Information

Observed MW
38kDa

Calculated MW
34kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,IF/ICC,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	1:500 - 1:2000
IF/ICC	1:50 - 1:200

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

Contact
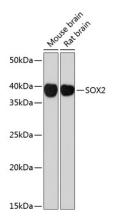
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Product Information

Source	**Isotype**	**Purification**
Rabbit	IgG	Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
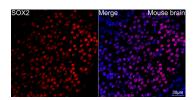Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of extracts of various cell lines, using SOX2 antibody (A19118) at 1:1000 dilution.
Secondary antibody: HRP 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.