SOX4 Rabbit mAb

Catalog NO.: A21222 Recombinant 2 Publications

Basic Information

Observed MW
60kDa

Calculated MW
47kDa

Category
Monoclonal Antibodies

Applications
WB, IP, IF-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Clone 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
6659

Swiss Prot
Q06945

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

Synonyms
CSS10; EVI16; SOX4

Contact

Product Information

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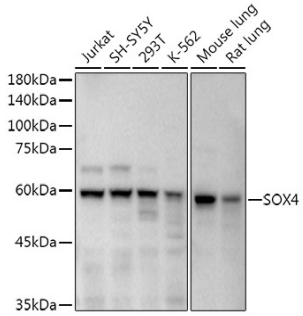
Source
Rabbit

Isotype
IgG

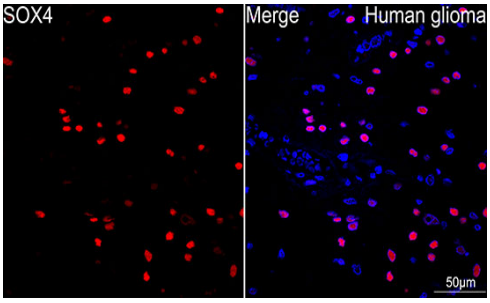
Purification
Affinity purification

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 SOX4 Rabbit mAb (A21222) at1:10000 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: 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.

For research use only. Not for therapeutic or diagnostic purposes.

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