

<b>Cat. No:</b>	MAB-94563
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	S9
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	A synthesized peptide derived from human SOX9.
<b>Reactivity:</b>	Hu,Ms,Rt
<b>Applications:</b>	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200
<b>Molecular Weight:</b>	70kDa
<b>Purification:</b>	Aff. Pur.
<b>Synonyms:</b>	CMD1;CMPD1;SRA1;SRXX2;SRXY10;SOX9;SRY-box 9

**Background:**

The protein encoded by this gene recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the skeletal malformation syndrome campomelic dysplasia, frequently with sex reversal.

**Form:**

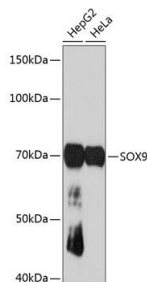
Liquid

**Buffer:**

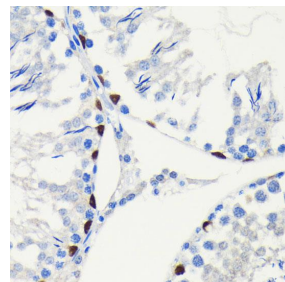
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Storage:**

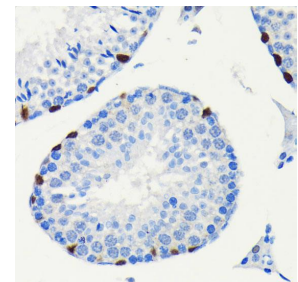
Store at -20°C. Avoid freeze / thaw cycles.



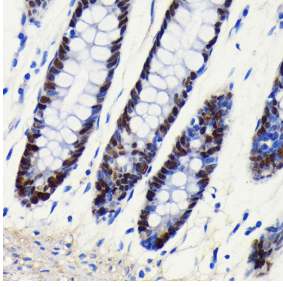
Western blot analysis of extracts of various cell lines, using SOX9 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 3min.



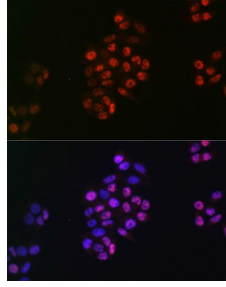
Immunohistochemistry of paraffinembedded rat testis using SOX9 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffinembedded mouse testis using SOX9 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin embedded human colon using SOX9 antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using SOX9 antibody. Blue: DAPI for nuclear staining.

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