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**Product Name: SOX9 Mouse Monoclonal Antibody****Catalog #: AMM81073**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ICC,ELISA
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	56kDa

**Antigen Information**

<b>Gene Name</b>	SOX9
<b>Alternative Names</b>	CMD1; SRA1; CMPD1
<b>Gene ID</b>	6662.0
<b>SwissProt ID</b>	P48436
<b>Immunogen</b>	Purified recombinant fragment of human SOX9 expressed in E. Coli.

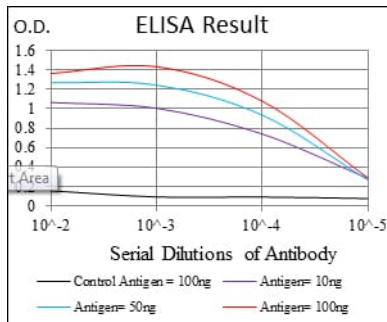
**Background**

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

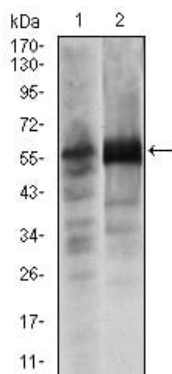
with sex reversal.

## Research Area

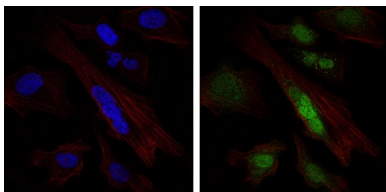
## Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using SOX9 mouse mAb against Lovo (1) and SW620 (2) cell lysate.



Immunofluorescence analysis of HeLa cells using SOX9 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.