

## Product datasheet for **AM06721PU-N**

### SOX9 Mouse Monoclonal Antibody [Clone ID: 1B11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1B11
Applications:	ELISA, IF, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Immunofluorescence:</b> 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human SOX9 expressed in E. Coli.
Specificity:	Recognizes SOX9
Formulation:	PBS State: Purified State: Liquid purified antibody Stabilizer: 0.5% protein stabilizer Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	56 kDa
Gene Name:	SRY-box 9
Database Link:	<a href="#">Entrez Gene 6662 Human P48436</a>



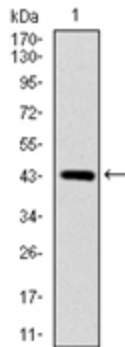
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**Background:**

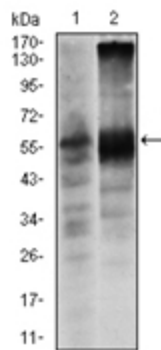
The protein encoded by this gene recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the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

**Synonyms:**

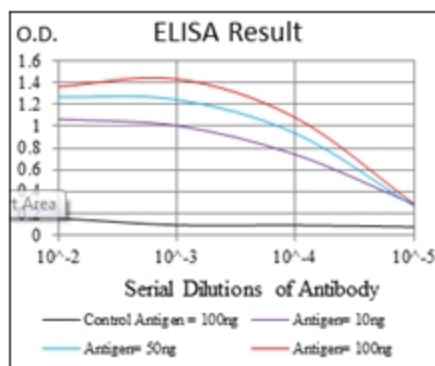
Transcription factor SOX-9, SRY-box 9, SRA1, CMD1, CMPD1

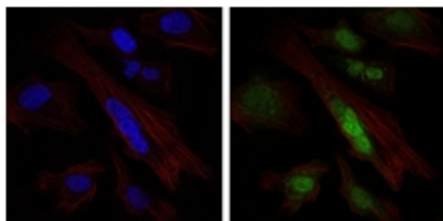
**Product images:**


Western blot analysis using SOX9 antibody against human SOX9 (AA: 147-306) recombinant protein (Expected MW is 56 kDa).



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





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