

**ARG56461**  
anti-SOX9 antibodyPackage: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes SOX9
Tested Reactivity	Hu
Predict Reactivity	Ms, Pig
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	334CT39.1.4
Isotype	IgM
Target Name	SOX9
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 41-70 of Human SOX9.
Conjugation	Un-conjugated
Alternate Names	SRXY10; CMPD1; CMD1; SRXX2; SRA1; Transcription factor SOX-9

### Application Instructions

Application table	Application	Dilution
	WB	1:1000 - 1:16000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	

### Properties

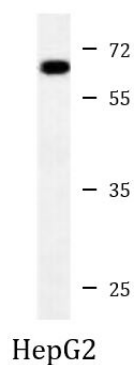
Form	Liquid
Buffer	Crude ascites and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Database links	<a href="#">GeneID: 6662 Human</a> <a href="#">Swiss-port # P48436 Human</a>
Gene Symbol	SOX9
Gene Full Name	SRY (sex determining region Y)-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. [provided by RefSeq, Jul 2008]
Function	Plays an important role in the normal skeletal development. May regulate the expression of other genes involved in chondrogenesis by acting as a transcription factor for these genes. [UniProt]
Calculated Mw	56 kDa
Cellular Localization	Nucleus {ECO:0000255 PROSITE- ProRule:PRU00267}

## Images

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ARG56461 anti-SOX9 antibody WB image

Western blot: 35 µg of HepG2 cell lysate stained with ARG56461 anti-SOX9 antibody.