

ARG66508 anti-SOX9 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes SOX9
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b, kappa
Target Name	SOX9
Species	Human
Immunogen	Synthetic peptide derived from Human SOX9.
Conjugation	Un-conjugated
Alternate Names	SRXY10; CMPD1; CMD1; SRXX2; SRA1; Transcription factor SOX-9

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:500
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Citric acid buffer (pH 6.0) was used. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	70 kDa	

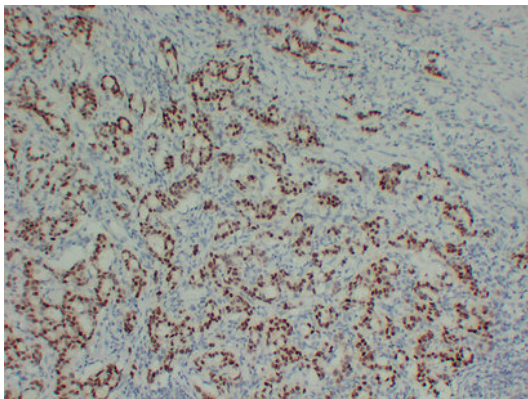
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
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. 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

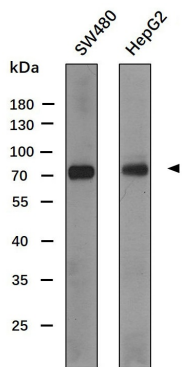
Gene Symbol	SOX9
Gene Full Name	SRY (sex determining region Y)-box 9
Background	The protein encoded by this gene recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription 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. [UniProt]

Images



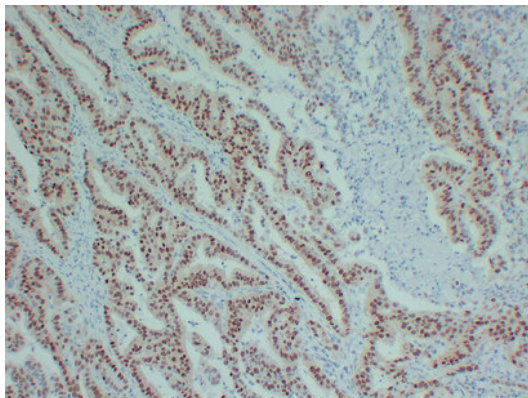
ARG66508 anti-SOX9 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma stained with ARG66508 anti-SOX9 antibody at 1:200 (4°C, overnight). Antigen Retrieval: Citric acid buffer (pH 6.0) was used.



ARG66508 anti-SOX9 antibody WB image

Western blot: 30 µg of SW480 and HepG2 whole cell lysates stained with ARG66508 anti-SOX9 antibody at 1:1000 dilution.



ARG66508 anti-SOX9 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon carcinoma stained with ARG66508 anti-SOX9 antibody at 1:200 (4°C, overnight). Antigen Retrieval: Citric acid buffer (pH 6.0) was used.