

SOX9 Antibody (Ascites)

Mouse Monoclonal Antibody (Mab)

Catalog # AM1964a

Product Information

Application	WB, E
Primary Accession	P48436
Other Accession	O18896 , Q04887 , NP_000337.1
Reactivity	Human
Predicted	Mouse, Pig
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Clone Names	334CT39.1.4
Antigen Region	41-70

Additional Information

Other Names	Transcription factor SOX-9, SOX9
Target/Specificity	This SOX9 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 41-70 amino acids from human SOX9.
Dilution	WB~~1:1000~16000 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SOX9 Antibody (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

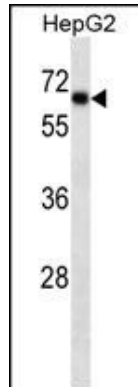
Background

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.

References

Masuda, T., et al. J. Biol. Chem. 285(35):26933-26944(2010)
Staffler, A., et al. Hum. Mutat. 31 (6), E1436-E1444 (2010) :
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :
Huang, W., et al. Mol. Cell. Biol. 20(11):4149-4158(2000)

Images



SOX9 Antibody (Cat. #AM1964a) western blot analysis in HepG2 cell line lysates (35µg/lane). This demonstrates the SOX9 antibody detected the SOX9 protein (arrow).

Citations

- [Anti-epileptic drug topiramate upregulates TGFβ1 and SOX9 expression in primary embryonic palatal mesenchyme cells: Implications for teratogenicity](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.