

Basic Information

Product Name	Anti-SOX9 Antibody (Clone#OTI2H10)
Gene Name	SOX9
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human,mouse,rat
Tested Application	WB, IHC
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Human recombinant protein fragment corresponding to amino acids 1-205 of human SOX9 (NP_000337) produced in E.coli.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	56 kDa
Dilution Ratios	Western blot (WB): 1:2000 Immunohistochemistry (IHC):1:150

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

Transcription factor SOX-9 is a protein that in humans is encoded by the SOX9 gene. 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.

Selected Validation Data

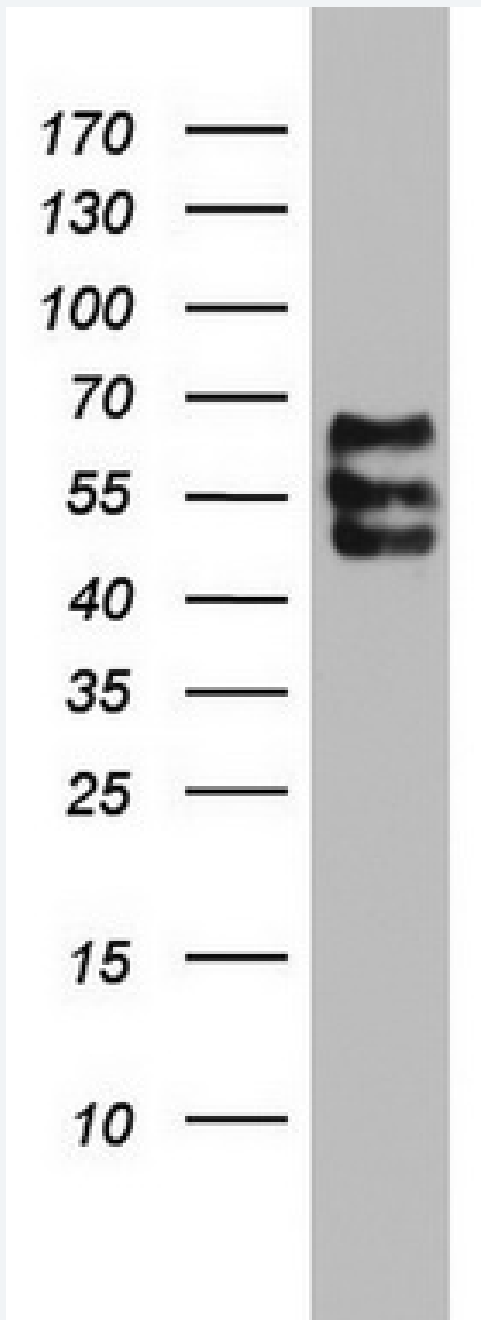


Figure 1. Western blot analysis of HT29 cell lysate (35ug) by using anti-SOX9 monoclonal antibody. Dilution: 1:500

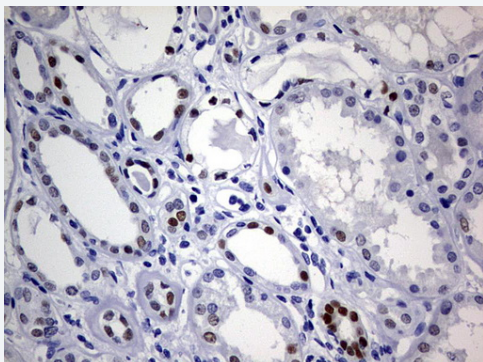


Figure 3. Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SOX9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min, M00177-1)

Product datasheet

Anti-SOX9 Antibody (Clone#OTI2H10)

Catalog Number: M00177-1

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