Datasheet for ABIN7270577

anti-SOX9 antibody

6 Images

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Overview

Quantity:	100 µL
Target:	SOX9
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SOX9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Purpose:	SOX9 Rabbit mAb
Immunogen:	A synthesized peptide derived from human SOX9.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	SOX9
Alternative Name:	SOX9 (SOX9 Products)

Target Details

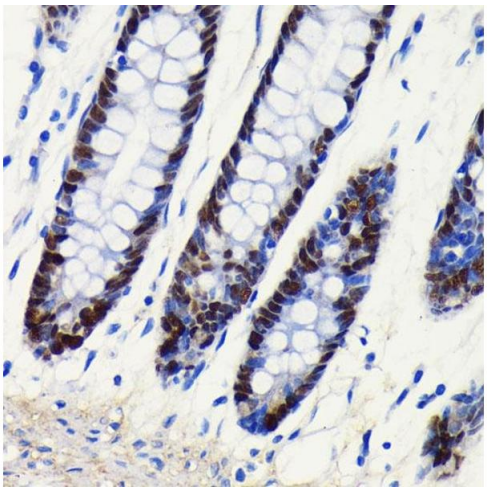
Background:	The protein encoded by this gene recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the skeletal malformation syndrome campomelic dysplasia, frequently with sex reversal. [provided by RefSeq, Jul 2008],CMD1,CMPD1,SRA1,SRXX2,SRXY10,SOX9,SRY-box 9,Apoptosis,Cell Biology & Developmental Biology,Epigenetics & Nuclear Signaling,Mesenchymal Stem Cells,Neural Stem Cells,Neuroscience,Stem Cells,Transcription Factors,SOX9
Molecular Weight:	70kDa
Gene ID:	6662
UniProt:	P48436
Pathways:	EGFR Signaling Pathway, Stem Cell Maintenance, Regulation of Muscle Cell Differentiation, Tube Formation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:200
Restrictions:	For Research Use only

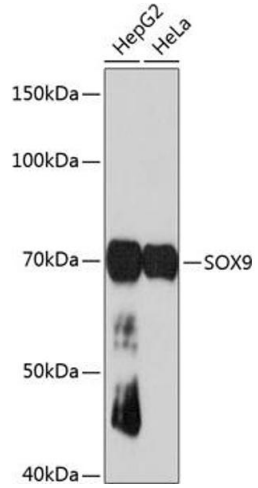
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



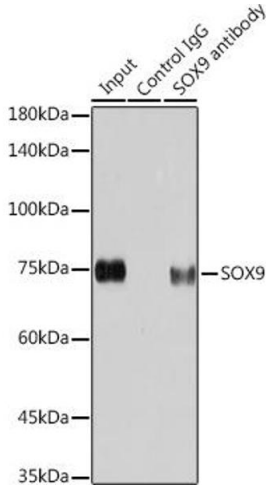
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon using SOX9 antibody (ABIN7270577) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using SOX9 antibody (ABIN7270577) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3 min.



Immunoprecipitation

Image 3. Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 3 µg SOX9 antibody (ABIN7270577). Western blot was performed from the immunoprecipitate using SOX9 antibody (ABIN7270577) at a dilition of 1:1000.

Please check the product details page for more images. Overall 6 images are available for ABIN7270577.