

## **SOX9 Antibody (monoclonal) (M02)**

Mouse monoclonal antibody raised against a partial recombinant SOX9.

Catalog # AT4001a

### **Specification**

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#### **SOX9 Antibody (monoclonal) (M02) - Product Information**

Application	IF, IP, WB, IHC
Primary Accession	<a href="#">P48436</a>
Other Accession	<a href="#">NM_000346</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	56137

#### **SOX9 Antibody (monoclonal) (M02) - Additional Information**

**Gene ID** 6662

#### **Other Names**

Transcription factor SOX-9, SOX9

#### **Target/Specificity**

SOX9 (NP\_000337, 400 a.a. ~ 509 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

#### **Dilution**

WB~~1:500~1000

#### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

#### **Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

#### **Precautions**

SOX9 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

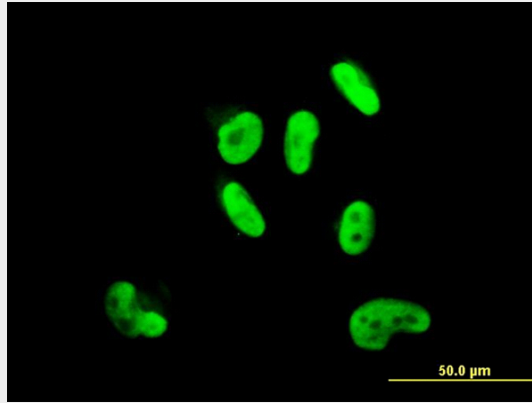
#### **SOX9 Antibody (monoclonal) (M02) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

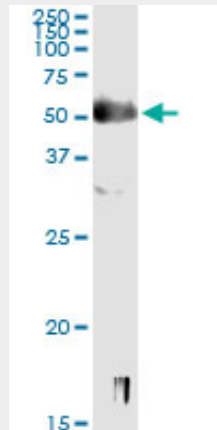
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

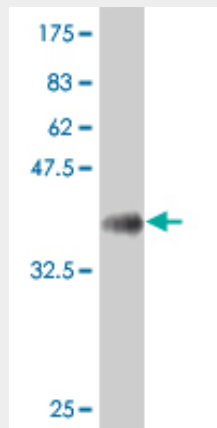
### SOX9 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to SOX9 on HepG2 cell. [antibody concentration 10 ug/ml]

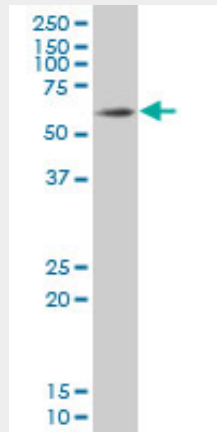


Immunoprecipitation of SOX9 transfected lysate using anti-SOX9 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with SOX9 MaxPab rabbit polyclonal antibody.

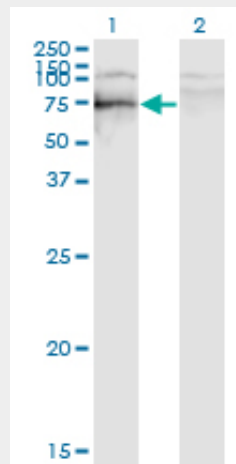


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen

(37.84 KDa) .

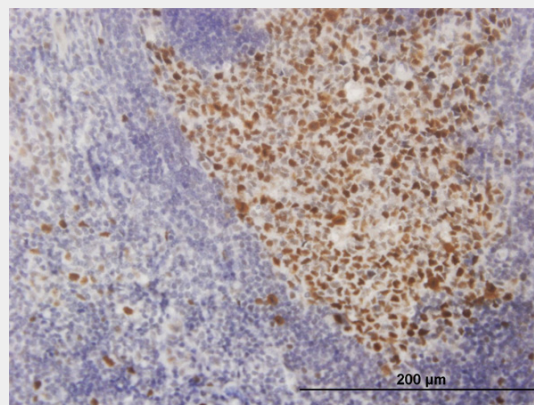


SOX9 monoclonal antibody (M02), clone 3C10 Western Blot analysis of SOX9 expression in HepG2 ( (Cat # AT4001a )



Western Blot analysis of SOX9 expression in transfected 293T cell line by SOX9 monoclonal antibody (M02), clone 3C10.

Lane 1: SOX9 transfected lysate(56.1 KDa).  
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to SOX9 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 0.7 ug/ml]

**SOX9 Antibody (monoclonal) (M02) - 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.

### **SOX9 Antibody (monoclonal) (M02) - References**

1.Expression of cancer stem cell markers is more frequent in anaplastic thyroid carcinoma compared to papillary thyroid carcinoma and is related to adverse clinical outcome.Yun JY, Kim YA, Choe JY, Min H, Lee KS, Jung Y, Oh S, Kim JEJ Clin Pathol. 2013 Aug 28. doi: 10.1136/jclinpath-2013-201711.2.Supra- and infratentorial pediatric ependymomas differ significantly in NeuN, p75 and GFAP expression.Hagel C, Treszl A, Fehlert J, Harder J, von Haxthausen F, Kern M, von Bueren AO, Kordes UJ Neurooncol. 2013 Apr;112(2):191-7. doi: 10.1007/s11060-013-1062-1. Epub 2013 Jan 31.3.A Molecular Profile of Focal Segmental Glomerulosclerosis from Formalin-Fixed, Paraffin-Embedded Tissue.Hodgin JB, Borczuk AC, Nasr SH, Markowitz GS, Nair V, Martini S, Eichinger F, Vining C, Berthier CC, Kretzler M, D'Agati VD.Am J Pathol. 2010 Oct;177(4):1674-86. Epub 2010 Sep 16.