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SOX4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SOX4.
Catalog # AT3999a

Product Information

Application	E
Primary Accession	Q06945
Other Accession	NM_003107
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2C5
Calculated MW	47263

Additional Information

Gene ID	6659
Other Names	Transcription factor SOX-4, SOX4
Target/Specificity	SOX4 (NP_003098, 45 a.a. ~ 136 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
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	SOX4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

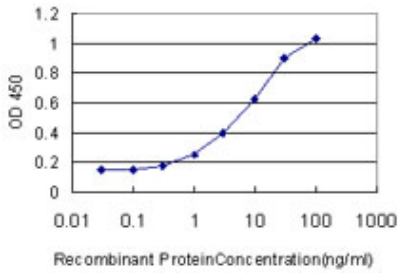
Background

This intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins, such as syndecan binding protein (syntenin). The protein may function in the apoptosis pathway leading to cell death as well as to tumorigenesis and may mediate downstream effects of parathyroid hormone (PTH) and PTH-related protein (PTHrP) in bone development. The solution structure has been resolved for the HMG-box of a similar mouse protein.

References

SOX4 overexpression regulates the p53-mediated apoptosis in hepatocellular carcinoma: clinical implication and functional analysis in vitro. Hur W, et al. Carcinogenesis, 2010 Jul. PMID 20400479.Epigenetic repression of microRNA-129-2 leads to overexpression of SOX4 in gastric cancer. Shen R, et al. Biochem Biophys Res Commun, 2010 Apr 16. PMID 20331975.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.Long-range gene regulation links genomic type 2 diabetes and obesity risk regions to HHEX, SOX4, and IRX3. Ragvin A, et al. Proc Natl Acad Sci U S A, 2010 Jan 12. PMID 20080751.CD56 expression in human myeloma cells derived from the neurogenic gene expression: possible role of the SRY-HMG box gene, SOX4. Iqbal MS, et al. Int J Hematol, 2010 Mar. PMID 20049565.

Images



Detection limit for recombinant GST tagged SOX4 is approximately 0.3ng/ml as a capture antibody.

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