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SOX8 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant SOX8.
Catalog # AT4000a

Product Information

Application	WB, E
Primary Accession	P57073
Other Accession	NM_014587
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5A7
Calculated MW	47314

Additional Information

Gene ID	30812
Other Names	Transcription factor SOX-8, SOX8
Target/Specificity	SOX8 (NP_055402, 102 a.a. ~ 210 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	SOX8 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

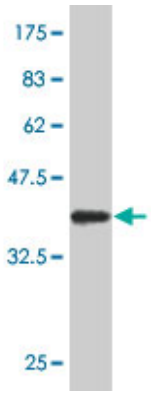
This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. This protein may be involved in brain development and function. Haploinsufficiency for this protein may contribute to the mental retardation found in haemoglobin H-related mental retardation (ART-16 syndrome).

References

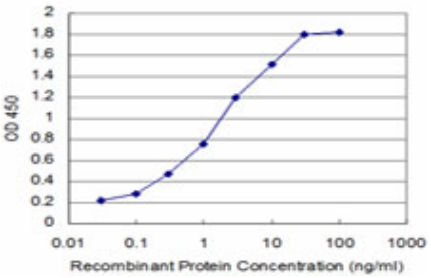
Differential expression of SOX2 and SOX17 in testicular germ cell tumors. Nonaka D. Am J Clin Pathol, 2009 May. PMID 19369635.Quantitative assessment of glial cells in the human and guinea pig enteric nervous

system with an anti-Sox8/9/10 antibody. Hoff S, et al. J Comp Neurol, 2008 Aug 1. PMID 18512230.The high-mobility-group domain of Sox proteins interacts with DNA-binding domains of many transcription factors. Wissm?ller S, et al. Nucleic Acids Res, 2006. PMID 16582099.The sequence and analysis of duplication-rich human chromosome 16. Martin J, et al. Nature, 2004 Dec 23. PMID 15616553.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .



Detection limit for recombinant GST tagged SOX8 is approximately 0.1ng/ml as a capture antibody.

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