

SOX8 Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a partial recombinant SOX8.****Catalog # AT4000a****Specification**

SOX8 Antibody (monoclonal) (M03) - Product Information

Application	WB, E
Primary Accession	P57073
Other Accession	NM_014587
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	47314

SOX8 Antibody (monoclonal) (M03) - 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.

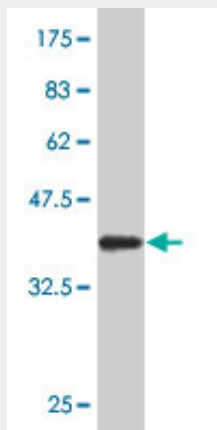
SOX8 Antibody (monoclonal) (M03) - Protocols

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

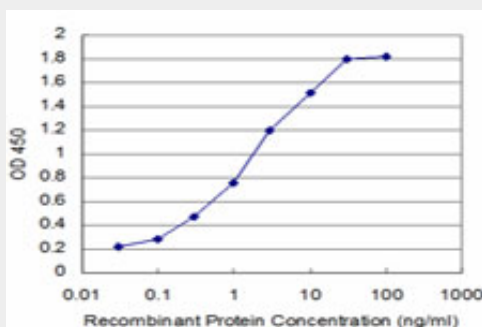
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

SOX8 Antibody (monoclonal) (M03) - 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.

SOX8 Antibody (monoclonal) (M03) - 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).

SOX8 Antibody (monoclonal) (M03) - 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. Wissmüller 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.