

SOX21 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SOX21.

Catalog # AT3996a

Product Information

Application	WB, IF, E
Primary Accession	Q9Y651
Other Accession	NM_007084
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2G10
Calculated MW	28580

Additional Information

Gene ID	11166
Other Names	Transcription factor SOX-21, SOX-A, SOX21, SOX25, SOXA
Target/Specificity	SOX21 (NP_009015, 224 a.a. ~ 265 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 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	SOX21 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

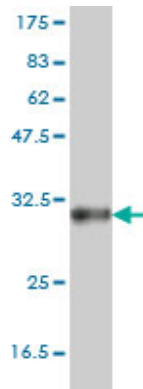
SRY-related HMG-box (SOX) genes encode a family of DNA-binding proteins containing a 79-amino acid HMG (high mobility group) domain that shares at least 50% sequence identity with the DNA-binding HMG box of the SRY protein (MIM 480000). SOX proteins are divided into 6 subgroups based on sequence similarity within and outside of the HMG domain. For additional background information on SOX genes, see SOX1 (MIM 602148).

References

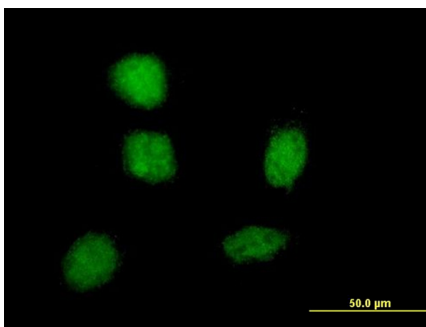
Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.
Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932. Twenty pairs of sox: extent,

homology, and nomenclature of the mouse and human sox transcription factor gene families. Schepers GE, et al. Dev Cell, 2002 Aug. PMID 12194848. DNA cloning using in vitro site-specific recombination. Hartley JL, et al. Genome Res, 2000 Nov. PMID 11076863. The isolation and high-resolution chromosomal mapping of human SOX14 and SOX21; two members of the SOX gene family related to SOX1, SOX2, and SOX3. Malas S, et al. Mamm Genome, 1999 Sep. PMID 10441749. Further complexity of the human SOX gene family revealed by the combined use of highly degenerate primers and nested PCR. Cremazy F, et al. FEBS Lett, 1998 Nov 6. PMID 9827568.

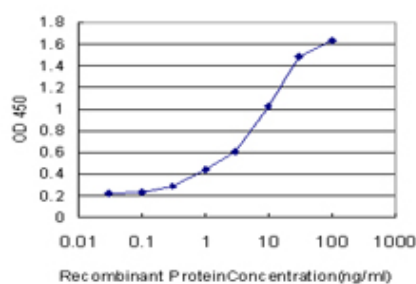
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (30.36 KDa) .



Immunofluorescence of monoclonal antibody to SOX21 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged SOX21 is approximately 0.03ng/ml as a capture antibody.

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