



# Sox-6 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-02030
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat;Monkey
<b>Applications</b>	WB
<b>Gene Name</b>	SOX6
<b>Protein Name</b>	Transcription factor SOX-6
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SOX6. AA range:10-59
<b>Specificity</b>	Sox-6 Monoclonal Antibody detects endogenous levels of Sox-6 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SOX6; Transcription factor SOX-6
<b>Observed Band</b>	91kD
<b>Cell Pathway</b>	Nucleus . Cytoplasm .
<b>Tissue Specificity</b>	Expressed in a wide variety of tissues, most abundantly in skeletal musclem.
<b>Function</b>	function:Transcriptional activator. Binds specifically to the DNA sequence 5'-AACAAAT-3'. Plays a key role in several developmental processes, including neurogenesis and skeleton formation.,PTM:Sumoylation inhibits the transcriptional activity.,similarity:Contains 1 HMG box DNA-binding domain.,subunit:Interacts with DAZAP2.,tissue specificity:Expressed in a wide variety of tissues, most abundantly in skeletal muscle.,
<b>Background</b>	SRY-box 6(SOX6) Homo sapiens This gene encodes a member of the D subfamily of sex determining region y-related transcription factors that are characterized by a conserved DNA-binding domain termed the high mobility group box and by their ability to bind the minor groove of DNA. The encoded protein is a transcriptional activator that is required for normal development of the central nervous system, chondrogenesis and maintenance of cardiac and skeletal muscle cells. The encoded protein interacts with other family members to cooperatively activate gene expression. Alternative splicing results in multiple transcript



variants.[provided by RefSeq, Mar 2009],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

Western Blot analysis of various cells using Sox-6 Monoclonal Antibody

