

Product Name: Sox-6 Rabbit Polyclonal Antibody**Catalog #: APRab18139**

For research use only.

Summary

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|----------------------|---|
| Description | Rabbit polyclonal Antibody |
| Host | Rabbit |
| Application | WB,IHC,ICC/IF,ELISA |
| Reactivity | Human,Mouse,Rat,Monkey |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| Purification | Affinity purification |

Application

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|-------------------------|--|
| Dilution Ratio | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000 |
| Molecular Weight | 91kDa |

Antigen Information

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| Gene Name | SOX6 |
| Alternative Names | SOX6; Transcription factor SOX-6 |
| Gene ID | 55553.0 |
| SwissProt ID | P35712 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human SOX6. AA range:10-59 |

Background

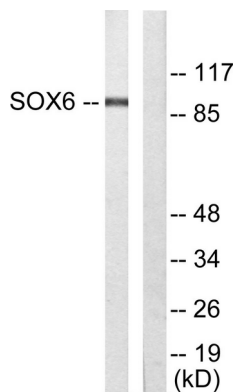
SRY-box 6(SOX6) Homo sapiens This gene encodes a member of the D subfamily of sex determining region y-related

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],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.,

Research Area

Neuroscience; Neurology process; Neural Signal Transduction; Epigenetics and Nuclear Signaling; Transcription; Domain Families; Developmental Families

Image Data



Western blot analysis of lysates from Jurkat cells, using SOX6 Antibody. The lane on the right is blocked with the synthesized peptide.