



## Rabbit Anti-SOX6 antibody

SL21580R

<b>Product Name:</b>	SOX6
<b>Chinese Name:</b>	核转录因子SOX6抗体
<b>Alias:</b>	HSSOX 6; HSSOX6; SOX-6 SOX 6; SOX6_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	92kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SOX6:51-150/828
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Sox genes comprise a family of genes that are related to the mammalian sex determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. The highly complex group of Sox genes cluster at least 40 different loci that rapidly diverged in various animal lineages. At present, 30 Sox genes have been identified. Members of this family

have been shown to be conserved during evolution and to play key roles during animal development. Some are involved in human diseases, including sex reversal.

**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.

**Subunit:**

Interacts with DAZAP2

**Subcellular Location:**

Nucleus.

**Tissue Specificity:**

Expressed in a wide variety of tissues, most abundantly in skeletal muscle.

**Post-translational modifications:**

Sumoylation inhibits the transcriptional activity.

**Similarity:**

Contains 1 HMG box DNA-binding domain.

**SWISS:**

P35712

**Gene ID:**

55553

**Database links:**

[Entrez Gene: 55553](#)Human

[Entrez Gene: 20679](#)Mouse

[Entrez Gene: 293165](#)Rat

[Omim: 607257](#)Human

[SwissProt: P35712](#)Human

[SwissProt: P40645](#)Mouse

[SwissProt: Q8BSS6](#)Mouse

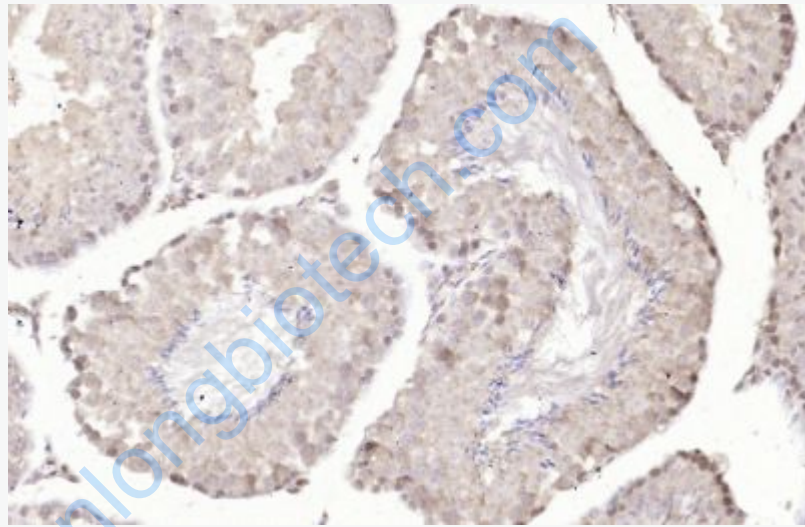
[SwissProt: Q4V8G3](#)Rat

[Unigene: 368226](#)Human

[Unigene: 323365](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SOX6) Polyclonal Antibody, Unconjugated (SL21580R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.