



Rabbit Anti-SOX30 antibody

SL13611R

Product Name:	SOX30
Chinese Name:	转录因子SOX30抗体
Alias:	Sex determining region Y box 30; Sox30 protein type II; SRY box 30; SRY related HMG box 30; Transcription factor SOX 30; SOX30_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
Applications:	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.
Molecular weight:	82kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SOX30:351-450/753
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	Sox-30 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. Sox-30 is expressed in testis and may act as a transcriptional regulator after forming a protein complex with other proteins. Sox-30 may be involved in the differentiation of developing male germ cells. Two transcript variants encoding distinct isoforms have been identified for the human Sox-30 gene. Sox family transcription

factors influence cell differentiation, development and sex determination. Sox-30 contains a unique DNA binding domain, known as the high mobility group (HMG) box, that is related to that of the testis determining gene, SRY. The highly complex group of Sox genes cluster at a minimum of 40 different loci that rapidly diverged in various animal lineages. Several Sox genes have been identified, and members of this family have been shown to be conserved during evolution and to play key roles during animal development.

Function:

SOX30 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 regulator after forming a protein complex with other proteins. This protein may be involved in the differentiation of developing male germ cells.

Subcellular Location:

Nuclear

Tissue Specificity:

Expressed in testis.

Similarity:

Contains 1 HMG box DNA-binding domain.

SWISS:

O94993

Gene ID:

11063

Database links:

[Entrez Gene: 11063](#) Human

[Entrez Gene: 214105](#) Mouse

[Omim: 606698](#) Human

[SwissProt: O94993](#) Human

[SwissProt: Q8CGW4](#) Mouse

[Unigene: 744348](#) Human

Important Note:

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