



Rabbit Anti-SOX22 antibody

SL11207R

Product Name:	SOX22
Chinese Name:	核转录因子SOX22抗体
Alias:	SOX12; Homo sapiens SRY (sex determining region Y) box 12; Protein SOX-22; SOX 12; SOX 12 protein; SOX 22; SOX 22 protein; sox12; SOX12 protein; SOX12_HUMAN; SOX22 protein; SRY (sex determining region Y) box 12; SRY (sex determining region Y) box 22; SRY box 12; SRY box 22; SRY related HMG box gene 22; Transcription factor Sox-12.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
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:	34kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SOX22:51-150/315
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 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:

Binds to the sequence 5'-AACAAAT-3' (By similarity).

Subcellular Location:

Nucleus.

Tissue Specificity:

Expressed most abundantly in the CNS. Also expressed in fetal brain and kidney and adult heart, pancreas, testis and ovary. Other tissues were only weakly positive.

Similarity:

Contains 1 HMG box DNA-binding domain.

SWISS:

O15370

Gene ID:

6666

Database links:

[Entrez Gene: 6666](#) Human

[Entrez Gene: 20667](#) Mouse

[Omim: 601947](#) Human

[SwissProt: O15370](#) Human

[SwissProt: Q04890](#) Mouse

[Unigene: 43627](#) Human

[Unigene: 712815](#) Human

[Unigene: 28424](#) Mouse

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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