



Rabbit Anti-SOX14 antibody

SL11587R

Product Name:	SOX14
Chinese Name:	核转录因子SOX14抗体
Alias:	HMG box transcription factor SOX 14; SOX 14; SOX 28; Sox box protein 14; SOX28; SRY (sex determining region Y) box 14; SRY box 14; Transcription factor SOX 14; SOX14 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,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:	26kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SOX14:51-150/240
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:

The SOX (SRY-box containing gene) gene family encodes a group of transcription factors defined by the conserved high motility group (HMG) DNA-binding domain. They are involved in the regulation of embryonic development and in the determination of cell fate (specifically neuronal). SOX14 is most closely related to SOX factors 1,2 and 3 and likely mirrors expression of these genes in the developing brain and spinal cord.

Subcellular Location:

Nuclear

Similarity:

Contains 1 HMG box DNA-binding domain.

SWISS:

O95416

Gene ID:

8403

Database links:

[Entrez Gene: 395526](#)Chicken

[Entrez Gene: 8403](#)Human

[Entrez Gene: 20669](#)Mouse

[Omim: 604747](#)Human

[SwissProt: Q9W7R6](#)Chicken

[SwissProt: O95416](#)Human

[SwissProt: Q04892](#)Mouse

[Unigene: 248184](#)Human

Important Note:

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

