



Rabbit Anti-SOX7 antibody

SL12277R

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| Product Name: | SOX7 |
| Chinese Name: | 转录因子SOX7抗体 |
| Alias: | MGC10895; SOX 7; SOX 7 transcription factor; sox7; SOX7 transcription factor; SOX7_HUMAN; SRY (sex determining region Y) box 7; SRY box 7; SRY sex determining region Y box 7; Transcription factor SOX 7; Transcription factor Sox-7; Transcription factor SOX7. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Pig,Cow,Rabbit, |
| Applications: | ELISA=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: | 42kDa |
| Cellular localization: | The nucleus |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human SOX7:42-100/388 |
| 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:

Transcriptional repressor. Binds to the DNA sequence 5'-AACAAAT-3'.

Subunit:

Interacts with CTNNB1/beta-catenin; this interaction may lead to the proteasomal degradation of active CTNNB1 and thus inhibition of Wnt/beta-catenin-stimulated transcription.

Subcellular Location:

Nucleus.

Tissue Specificity:

Widely expressed in adult and fetal tissues. Present both in mesenchymal and epithelial cells in some adult tissues, including colon. Tends to be down-regulated in prostate adenocarcinomas and colorectal tumors due to promoter hypermethylation.

Similarity:

Contains 1 HMG box DNA-binding domain.
Contains 1 Sox C-terminal domain.

SWISS:

Q9BT81

Gene ID:

83595

Database links:

[Entrez Gene: 83595](#) Human

[Entrez Gene: 20680](#) Mouse

[Entrez Gene: 290317](#) Rat

[Entrez Gene: 378665](#) Xenopus laevis

[Omim: 612202](#) Human

[SwissProt: Q9BT81](#) Human

[SwissProt: P40646](#) Mouse

[SwissProt: O42342](#) Xenopus laevis

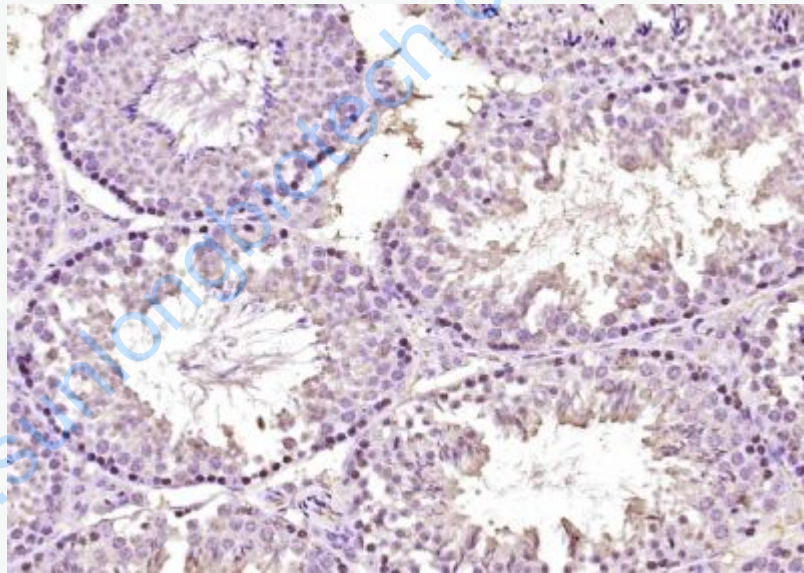
[Unigene: 709543](#) Human

[Unigene: 42162](#) Mouse

[Unigene: 1241](#) Xenopus laevis

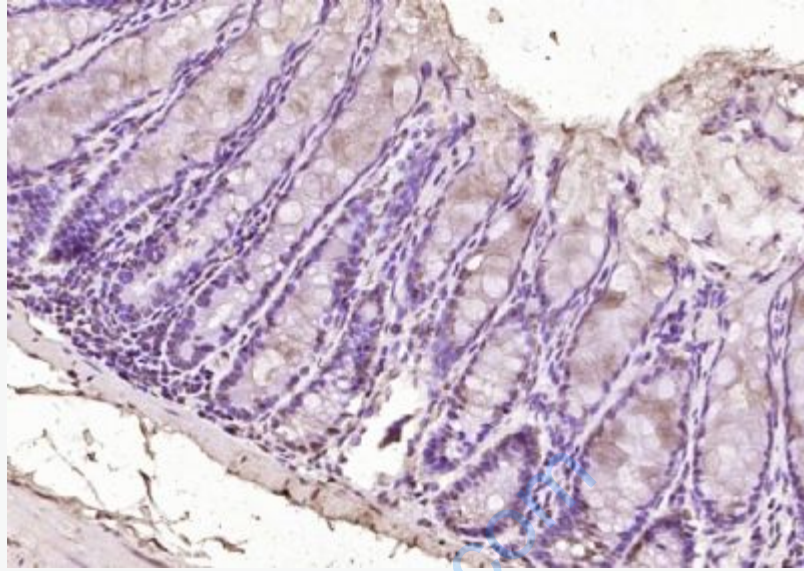
Important Note:

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

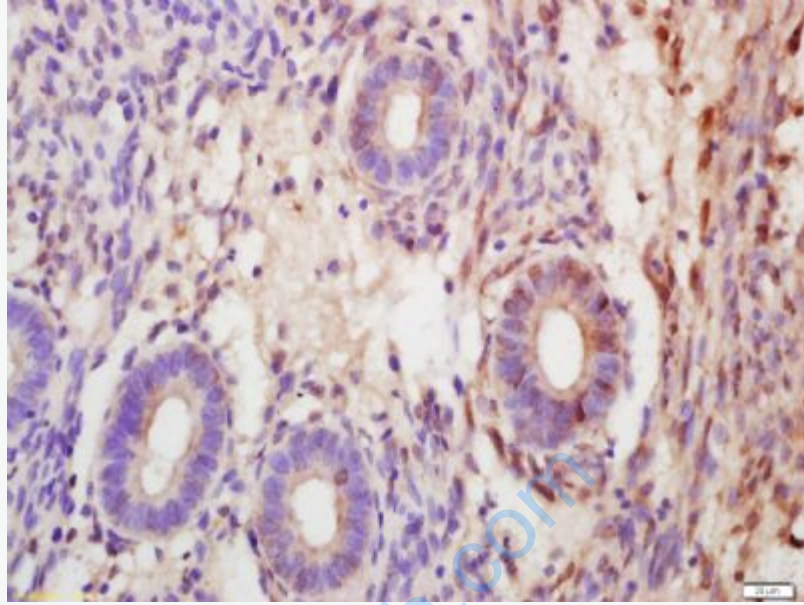


Picture:

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 (SOX7) Polyclonal Antibody, Unconjugated (SL12277R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse colon); 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 (SOX7) Polyclonal Antibody, Unconjugated (SL12277R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: Human endometrium carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-SOX7 Polyclonal Antibody, Unconjugated(SL12277R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining