

Rabbit Anti-SOX11/APC Conjugated antibody

SL6736R-APC

Product Name	Anti-SOX11/APC
Chinese Name	APC 标记的转录因子 SOX-11 蛋白抗体
Alias	SRY (sex determining region Y) box 11; SRY related HMG box gene 11; Transcription factor SOX-11; SOX11_HUMAN.
Research Area	Tumour Cell biology Neurobiology Signal transduction Stem cells transcriptional regulatory factor Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Pig,Cow,Rabbit)
Applications	IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	47kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human SOX11
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: All SOX proteins have a single HMG box and bind linear DNA in a sequence-specific manner, resulting in the bending of DNA through large angles. Bending causes the DNA helix to open for some distance, which may affect binding and interactions of other transcription factors. SOX1, SOX2 and SOX3 show the closest homology to SRY. They share maximum homology within the HMG domain and are expressed mainly in the developing nervous

system of the mouse (Collignon et al., 1996). These genes share significant homology outside the HMG box also and are highly conserved throughout their evolution. SOX11 appears to be important in the developing nervous system (SOX11 expression is detected from 8.5 dpc through to 13.5 dpc, with a considerable increase in expression by 13.5 dpc). SOX11 expression is apparent in the somites,limbs,facial mesenchyme,kidney,lung of the fetal system.

Function:

Transcriptional activator.

Subcellular Location:

Nucleus.

Tissue Specificity:

Mainly expressed in the developing central nervous system.

Similarity:

Contains 1 HMG box DNA-binding domain.

Database links:

[Entrez Gene: 6664](#) Human

[Entrez Gene: 20666](#) Mouse

[Entrez Gene: 84046](#) Rat

[Omim: 600898](#) Human

[SwissProt: P35716](#) Human

[SwissProt: Q7M6Y2](#) Mouse

[SwissProt: P0C1G9](#) Rat

[Unigene: 432638](#) Human

[Unigene: 41702](#) Mouse

[Unigene: 466344](#) Mouse

[Unigene: 162854](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in



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