



## Rabbit Anti-FoxP1 antibody

SL1275R

<b>Product Name:</b>	FoxP1
<b>Chinese Name:</b>	叉头蛋白P1抗体
<b>Alias:</b>	FLJ23741; Fork head related protein like B; Forkhead box P1; Forkhead box protein P1; 12CC4; FOXP1_MOUSE; FOX P1; FOXP 1; Glutamine rich factor 1; hFKH1B; HSPC215; MGC12942; MGC88572; MGC99551; QRF 1; QRF1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,
<b>Applications:</b>	ELISA=1:500-1000Flow-Cyt=1µg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	79kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from mouse FoxP1:581-705/705
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene belongs to subfamily P of the forkhead box (FOX) transcription factor family. Forkhead box transcription factors play important roles in the regulation of tissue- and cell type-specific gene transcription during both development and adulthood. Forkhead box P1 protein contains both DNA-binding- and protein-protein binding-domains. This gene may act as a tumor suppressor as it is lost in several tumor types and maps to a chromosomal region (3p14.1) reported to contain a tumor suppressor gene(s).

Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

**Function:**

Transcriptional repressor. It plays an important role in the specification and differentiation of lung epithelium. Can act with CTBP1 to synergistically repress transcription but CTPBP1 is not essential. Essential transcriptional regulator of B cell development.

**Subunit:**

Forms homodimers and heterodimers with FOXP2 and FOXP4. Dimerization is required for DNA-binding. Interacts with CTBP1.

**Subcellular Location:**

Nucleus.

**Tissue Specificity:**

Highest expression in the lung, brain, and spleen. Lower expression in heart, skeletal muscle, kidney, small intestine (isoform 3 not present) and liver.

**Similarity:**

Contains 1 C2H2-type zinc finger.  
Contains 1 fork-head DNA-binding domain.

**SWISS:**

P58462

**Gene ID:**

108655

**Database links:**

[Entrez Gene: 27086](#)Human

[Entrez Gene: 108655](#)Mouse

[Entrez Gene: 297480](#)Rat

[Omim: 605515](#)Human

[SwissProt: Q9H334](#)Human

[SwissProt: P58462](#)Mouse

[SwissProt: Q498D1](#)Rat

[Unigene: 431498](#)Human

[Unigene: 59368](#)Human

[Unigene: 234965](#)Mouse

[Unigene: 485266](#)Mouse

[Unigene: 33321](#)Rat

**Important Note:**

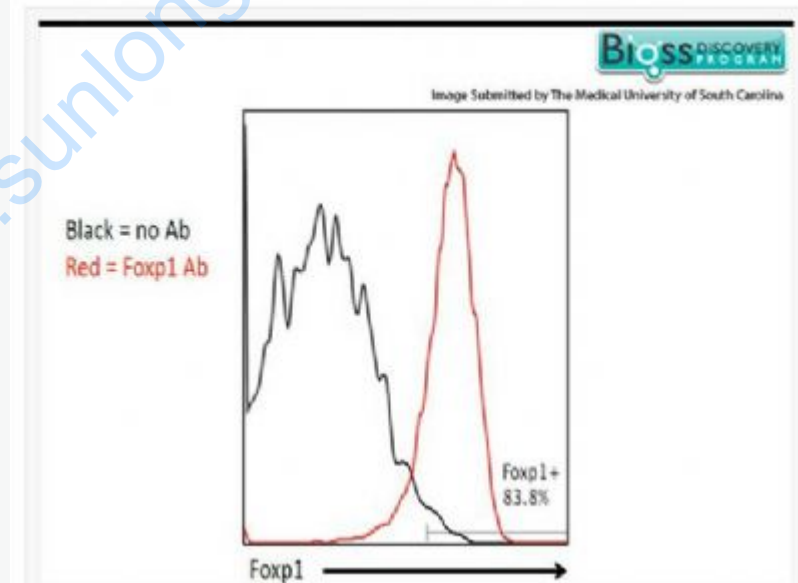
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Hox程序的信息输出并有调节运动神经元功能。FoxP1在Hox敏感型运动柱中表达,使FoxP1失活能消除运动神经元Hox网络的信息输出,并将脊髓运动系统回复到原始状。

FoxP1的减少同样改变运动神经元连结性模式,肢体运动神经似乎会随机选择目标肌肉和作用路径。单个的FoxP1转录因子能以Hox辅助因子的形式整合各种神经元种类的连结性。

Hox蛋白:哺乳动物的同源盒基因由61个氨基酸残基组成的蛋白质保守结构域,称同源异型域。Hox基因在动物体的体节结构分化等空间信息调控中起着重要作用,按特异的模式赋予每一体节其自身的特点。Hox基因不但影响胚胎发育,在生殖过程中也起着重要的调节作用。

Picture:



Pmel-1 splenocytes were stained with RABBIT ANTI-FOXP1 POLYCLONAL ANTIBODY, CONJUGATED (SL1275R). Accuri C6 flow cytometer was used for

	data acquisition
--	------------------

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)