SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-TP-5/Thymopentin antibody

SL0392R

Product Name:	TP-5/Thymopentin
Chinese Name:	胸腺五肽抗体
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
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.
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TP-5/Thymopentin:
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:	Sequence:: H-Arg-Lys-Asp-Val-Tyr-OH MW: 679.8 **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. 胸腺五肽的作用之一是诱导TCell differentiation。它可选择性地诱导Thy-1-

	的前胸腺细胞转化为Thy-1+的T细胞。其TCell differentiation作用由胞内cAMP水平升高介导。胸腺五肽的另一基本作用是对成熟外周血T细胞的特异受体结合，使胞内cAMP水平上升，从而诱发一系列胞内反应，这也是它免疫调节功能的基础。在正常机体状态下胸腺五肽显现免疫刺激作用，能显著增高脾lymphocyte的E玫瑰花结形成率及转化率，对免疫应答的初次或再次反应的不同阶段都有增强作用，能增多IgM类型和IgG或IgA类型的抗体形成细胞。胸腺五肽还可增强巨噬细胞的吞噬功能，增加多形核嗜中性白细胞的酶和吞噬功能，升高循环抗体含量，增强红细胞免疫功能。胸腺五肽能活化CD4和CD8阳性细胞，使专一的Tc细胞寿命维持更长时间，同时也可活化Th细胞，诱导Ts细胞的功能。胸腺五肽的抗感染力和治疗作用与它增进TC细胞活性相关。在抗感染免疫中适量胸腺五肽可明显增加Interferon的产生。诱导和促进TCell differentiation成熟；调节Tlymphocyte亚群比例使CD4/CD8趋于正常；增强巨噬细胞吞噬功能；增强红细胞免疫功能；提高Natural killer cells的活力；提高白介素-2的产生水平与受体表达水平；增强外周血单核细胞γInterferon的产生；增强血清中SOD活性。