

## Rabbit Anti-TSLP antibody

SL0449R

<b>Product Name</b>	TSLP
<b>Chinese Name</b>	胸腺基质 lymphocyte 生成素-1 抗体
<b>Alias</b>	Thymic stromal lymphopietin; Thymic stromal lymphopietin isoform 1; Thymic stromal lymphopietin protein TSLP; TSLP protein; TSLP_HUMAN.
<b>Research Area</b>	Cell biology immunology cell factor
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human, WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	15kDa
<b>Cellular localization</b>	Secretory protein
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human TSP-1: 101-159/159
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a>
<b>Product</b>	Thymic stromal lymphopietin (TSLP) is a novel cytokine that was found to promote the

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**Detail**

development of murine B cells in vitro. This protein, which is expressed in a number of tissues including heart, liver and prostate, prevented apoptosis and stimulated growth of the human acute myeloid leukemia (AML)-derived cell line MUTZ-3. Anti-interleukin (IL)-7 receptor antibodies (Abs) neutralized this effect indicating that TSLP binds to at least part of the IL-7 receptor complex. TSLP induced phosphorylation of signal transducer and activator of transcription (STAT)-5.

**Function:**

Cytokine that induces the release of T-cell-attracting chemokines from monocytes and, in particular, enhances the maturation of CD11c(+) dendritic cells. Can induce allergic inflammation by directly activating mast cells.

**Subunit:**

Interacts with a receptor composed of CRLF2 and IL7R.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Expressed in a number of tissues including heart, liver and prostate.

**SWISS:**

Q969D9

**Gene ID:**

85480

**Database links:**

[Entrez Gene: 85480](#) Human

[Entrez Gene: 53603](#) Mouse

[Entrez Gene: 688621](#) Rat

[Omim: 607003](#) Human

[SwissProt: Q969D9](#) Human

[SwissProt: Q9JIE6](#) Mouse

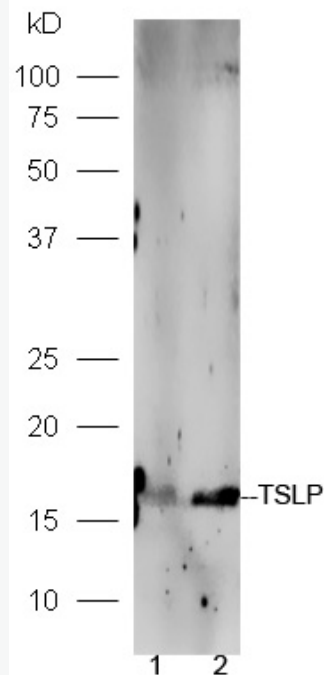
[Unigene: 389874](#) Human

[Unigene: 143716](#) Mouse

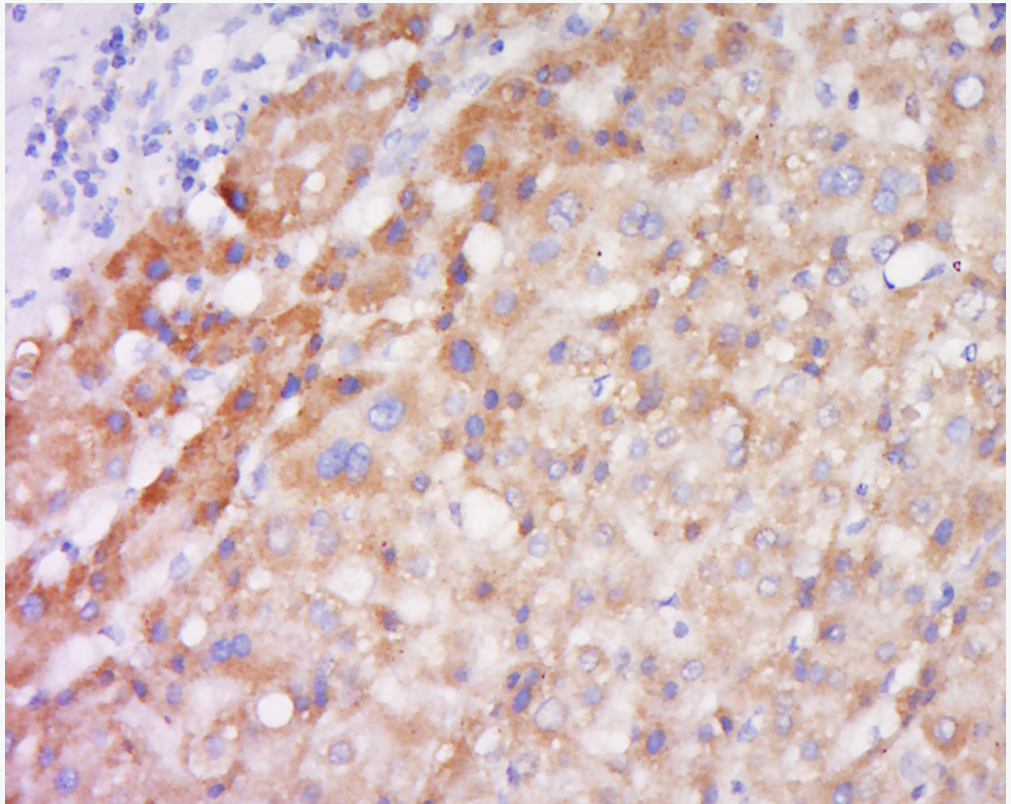
[Unigene: 201724](#) Rat

胸腺基质 lymphocyte 生成素-1 (胸腺基质细胞分泌的 lymphocyte 生成素-1) 为一种新型促进生长的 cell factor——胸腺基质淋巴蛋白(TSLP)可以引发炎症反应, 这种炎症反应可以引起很多过敏性疾病和哮喘。 TSLP 可能是过敏性疾病最重要的引发剂, 已得到科学家的重视, 如果证实了 TSLP 是一种起始因子, 抑制 TSLP 可以有效地治疗哮喘和其它过敏性疾病。

**Product  
Picture**



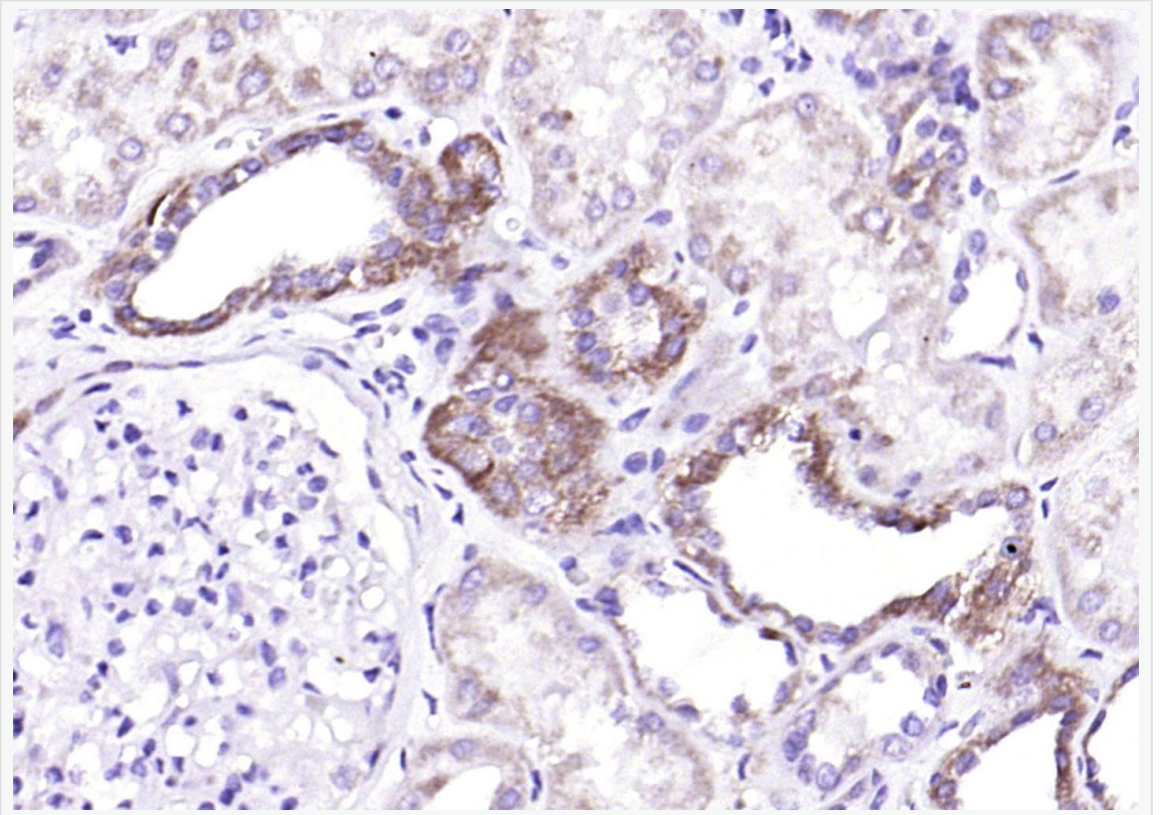
Sample: Lane1:K562 Cell Lysate at 30ug Lane2: Raji Cell Lysate at 30ug Primary:  
Anti-TSLP (SL0449R) at 1:300 dilution; Secondary: HRP conjugated Goat-Anti-rabbit  
IgG(SL0295G-HRP) at 1: 5000 dilution; Predicted band size: 15 kD Observed band  
size: 17 kD



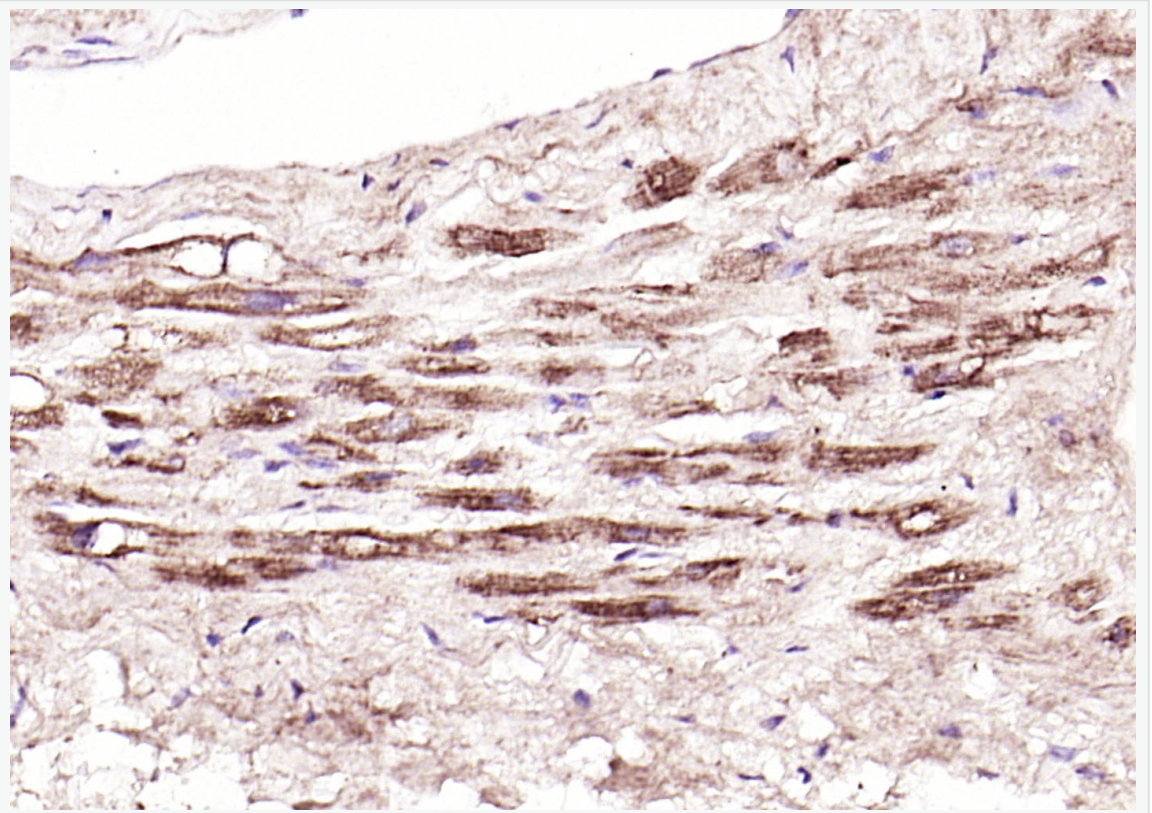
Tissue/cell: human liver carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 1M, 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-TSLP Polyclonal Antibody, Unconjugated(SL0449R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Human kidney); 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 (TSLP) Polyclonal Antibody, Unconjugated (SL0449R) 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 (Human heart); 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 (TSLP) Polyclonal Antibody, Unconjugated (SL0449R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.