

## Product datasheet for **TA306385**

### TSLP Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	WB: 0.25 - 4 µg/mL; IHC-P: 2.5 µg/mL; IF: 20 µg/mL. Antibody validated: Western Blot in human and mouse samples; Immunohistochemistry and Immunofluorescence in human and mouse samples; Immunocytochemistry in human samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TSLP antibody was raised against a 19 amino acid peptide from near the center of human TSLP.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	TSLP Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	thymic stromal lymphopoietin
Database Link:	<a href="#">NP_149024</a> <a href="#">Entrez Gene 53603 Mouse</a> <a href="#">Entrez Gene 85480 Human</a> <a href="#">Q969D9</a>



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**Background:**

Thymic stromal lymphopoietin (TSLP) has recently been identified as an important factor capable of driving dendritic cell maturation and activation. TSLP is a four-helix-bundle cytokine that is expressed mainly by barrier epithelial cells and is a potent activator of several cell types such as myeloid dendritic cells. TSLP is involved in the positive selection of regulatory T cells, maintenance of peripheral CD4+ T cell homeostasis and the induction of CD4+ T cell-mediated allergic reaction. TSLP is also capable of supporting the growth of fetal liver and adult B cell progenitors and their differentiation to the IgM-positive stage of B cell development. Amino acid sequence analysis has shown poor homology between human and mouse TSLP although they exhibit similar biological functions and are expressed in similar tissues. Despite its predicted molecular weight, TSLP often migrates at a higher molecular weight in SDS-PAGE. At least two differentially spliced isoforms of TSLP are known to exist.

**Synonyms:**

thymic stromal lymphopoietin

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway