

**TSLP Receptor Antibody**  
**Catalog # ASC10535****Specification**

---

**TSLP Receptor Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">Q8CII9</a>
Other Accession	<a href="#">NP_071431</a> , <a href="#">19923096</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 28, 41 kDa

Application Notes	Observed: 53 kDa KDa TSLP-R antibody can be used for detection of TSLP-R by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.
-------------------	---

**TSLP Receptor Antibody - Additional Information**

Gene ID **57914**

**Other Names**

TSLP Receptor Antibody: CRLM2, Ly114, Tpte2, Tslpr, Crlm2, Cytokine receptor-like factor 2, Cytokine receptor-like molecule 2, CRLM-2, cytokine receptor-like factor 2

**Target/Specificity**

Crlf2; At least two isoforms of TSLP-R are known to exist; this antibody will recognize both isoforms.

**Reconstitution & Storage**

TSLP Receptor antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

TSLP Receptor Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**TSLP Receptor Antibody - Protein Information**

**Name** Crlf2

**Synonyms** Crlm2, Tpte2, Tslpr

**Function**

Receptor for thymic stromal lymphopoietin (TSLP). Forms a functional complex with TSLP and IL7R which is capable of stimulating cell proliferation through activation of STAT3 and STAT5. Also activates JAK2. Implicated in the development of the hematopoietic system.

#### Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 2]: Secreted.

#### Tissue Location

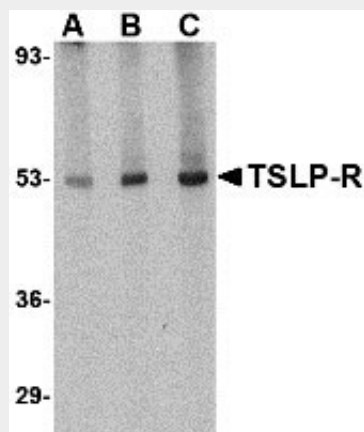
High level of expression in liver, lung and testis. Also expressed in heart, brain, spleen, thymus and bone marrow. Highly expressed in progenitors and myeloid cells. Isoform 2 is expressed in primary hematopoietic cells

### TSLP Receptor Antibody - Protocols

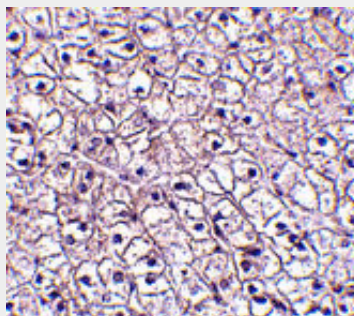
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

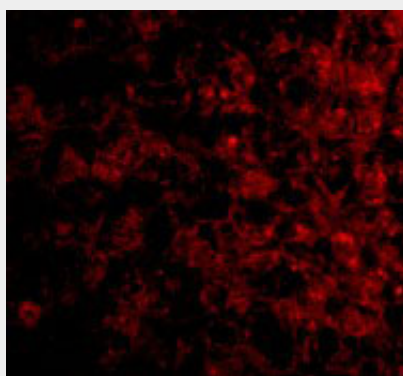
### TSLP Receptor Antibody - Images



Western blot analysis of TSLP Receptor in human liver tissue lysate with TSLP Receptor antibody at (A) 0.5, (B) 1 and (C) 2 µg/mL.



Immunohistochemistry of TSLP-R in human liver tissue with TSLP-R antibody at 5 µg/mL.



Immunofluorescence of TSLP Receptor in Human Liver tissue with TSLP Receptor antibody at 20 µg/mL.

### **TSLP Receptor Antibody - Background**

**TSLP Receptor Antibody:** Thymic stromal lymphopoietin (TSLP) has recently been identified as an important factor capable of driving dendritic cell maturation and activation. It is involved in the positive selection of regulatory T cells, maintenance of peripheral CD4<sup>+</sup> T cell homeostasis and the induction of CD4<sup>+</sup> 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. Its receptor TSLP-R will bind TSLP in a low-affinity fashion in transfected cells; co-transfection with IL-7R- $\alpha$  cDNA results in high-affinity binding and a functional heteromeric complex. This heteromeric receptor requires stat5 for TSLP-mediated signal transduction and is inhibited by SOCS-1.

### **TSLP Receptor Antibody - References**

Ziegler SF and Liu Y-J. Thymic stromal lymphopoietin in normal and pathogenic T cell development and function. *Nature Immunol.* 2006; 7:709-14.  
Sims JE, Williams DE, Morrissey PJ, et al. Molecular cloning and biological characterization of a novel murine lymphoid growth factor. *J. Exp. Med.* 2000; 192:671-80.  
Levin SD, Koelling RM, Friend SL, et al. Thymic stromal lymphopoietin: a cytokine that promotes the development of IgM<sup>+</sup> cells in vitro and signals via a novel mechanism. *J. Immunol.* 1999; 162:677-83.  
Park LS, Martin U, Garka K, et al. Cloning of the murine thymic stromal lymphopoietin (TSLP) receptor: Formation of a functional heteromeric complex requires interleukin 7 receptor. *J. Exp. Med.* 2000; 192:659-70.