

Anti-TSLP (RABBIT) Antibody
TSLP Antibody
Catalog # ASR4941**Specification**

Anti-TSLP (RABBIT) Antibody - Product Information

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	TSLP purified antibody has been tested in western blotting and suitable for ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 18 kDa in size corresponding to the human TSLP protein by western blotting in appropriate cell lysate or extract.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Anti-TSLP antibody was prepared from rabbit antiserum after repeated immunizations with a truncated form of recombinant human TSLP protein from E. coli.
Preservative	0.01% (w/v) Sodium Azide

Anti-TSLP (RABBIT) Antibody - Additional Information**Gene ID** 85480**Other Names**
85480**Purity**

Anti-TSLP is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This antibody is specific for human TSLP protein. A BLAST analysis was used to suggest cross-reactivity with TSLP from human sources based on 100% homology with the immunizing sequence. Cross-reactivity with TSLP from other sources has not been determined.

Storage Condition

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-TSLP (RABBIT) Antibody - Protein Information**Name** TSLP**Function**

[Isoform 1]: 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.

Cellular Location

Secreted.

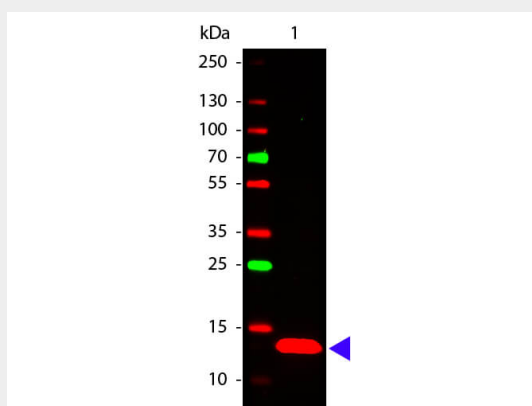
Tissue Location

Isoform 1 is expressed in a number of tissues including heart, liver and prostate. Isoform 2 is the predominant form in keratinocytes of oral mucosa, skin and in salivary glands. It is secreted into saliva.

Anti-TSLP (RABBIT) 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](#)

Anti-TSLP (RABBIT) Antibody - Images

Western Blot of Rabbit anti-TSLP antibody. Lane 1: Human TSLP Recombinant Protein. Load: 50 ng per lane. Primary antibody: TSLP antibody at 1:1,000 for overnight at 4°C. Secondary antibody: DyLight™ 649 rabbit secondary antibody (611-143-002) at 1:20,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 13 kDa, 13 kDa for Human TSLP. Other

band(s): None.

Anti-TSLP (RABBIT) Antibody - Background

Thymic Stromal Lymphopoietin (TSLP) is a hematopoietic cytokine. TSLP is mainly expressed in the heart, liver and prostate. TSLP sends signals through a heterodimeric receptor complex, containing the TSLP-R and the IL-7R α chain to induce the release of T cell-attracting chemokines from monocytes. It can induce allergic inflammation by directly activating mast cells. It also promotes T helper type 2 (TH2) cell responses associated with immunity, including atopic dermatitis and asthma, and can promote TH2 cytokine-associated inflammation by directly promoting the effector functions of CD4⁺ TH2 cells, basophils and other granulocyte populations while simultaneously limiting the expression of dendritic cells derived proinflammatory cytokines and promoting regulatory T cell responses in peripheral tissues. Recombinant human TSLP is a non-glycosylated protein with a molecular weight of 15 kDa. Anti-TSLP antibody is ideal for researchers interested in cytokines and stem cell research.