

## TSLP Antibody

**Catalog # IC14651**

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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### Description:

Product Name: TSLP Antibody

Host Species: Rabbit

Clonality: Polyclonal

Purification: Affinity chromatography purified via peptide column

Applications: ELISA WB IHC

Species Reactivity: Hu Ms

Immunogen Type: Peptide

Immunogen Description: Raised against a 19 amino acid peptide from near the center of human TSLP.

Target Name: TSLP

Accession No.: NP\_149024

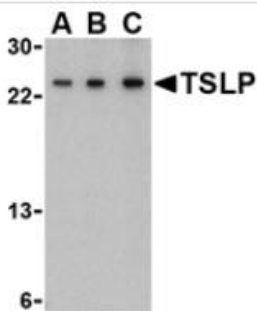
Concentration: 1mg/ml

Formulation: Supplied in PBS containing 0.02% sodium azide.

Storage: Can be stored at  $-20^{\circ}\text{C}$ , stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles.

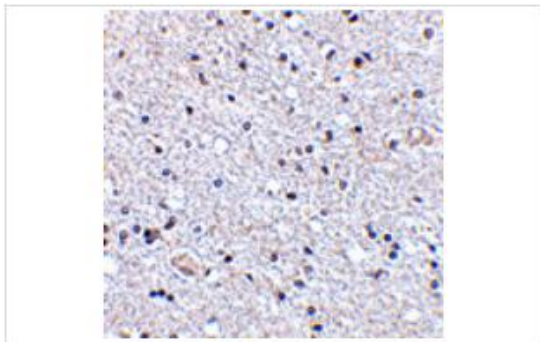
Antibodies should not be exposed to prolonged high temperatures.

### Images:



Western blot analysis of TSLP in A-20 cell lysate with TSLP antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.





Immunohistochemistry of TSLP in human brain tissue with TSLP antibody at 2.5 ug/mL.

### 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<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. 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. At least two differentially spliced isoforms of TSLP are known to exist.

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.

