

Datasheet for ABIN501081

**anti-Thymic Stromal Lymphopoietin antibody (Center)****2** Images[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	Thymic Stromal Lymphopoietin (TSLP)
Binding Specificity:	Center
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Thymic Stromal Lymphopoietin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	TSLP antibody was raised against a 20 amino acid peptide from near the center of Mouse TSLP.
Isotype:	IgG
Specificity:	This antibody detects TSLP.
Cross-Reactivity (Details):	Species reactivity (tested):Mouse, Rat
Purification:	Peptide Affinity Chromatography

## Target Details

Target:	Thymic Stromal Lymphopoietin (TSLP)
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## Target Details

Alternative Name: TSLP ([TSLP Products](#))

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 stroma-derived lymphopoietin, Thymic stromal lymphopoietin

Gene ID: 53603

NCBI Accession: [NP\\_067342](#)

## Application Details

Application Notes: ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide

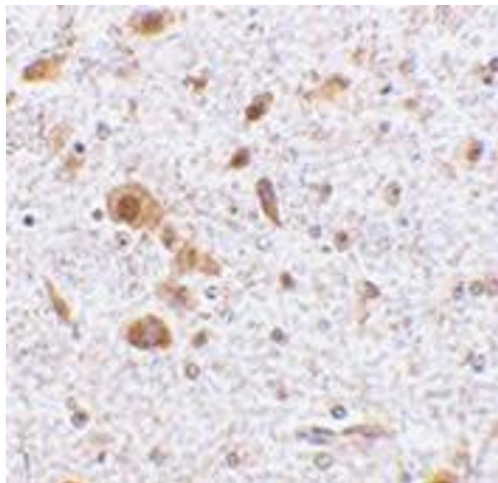
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

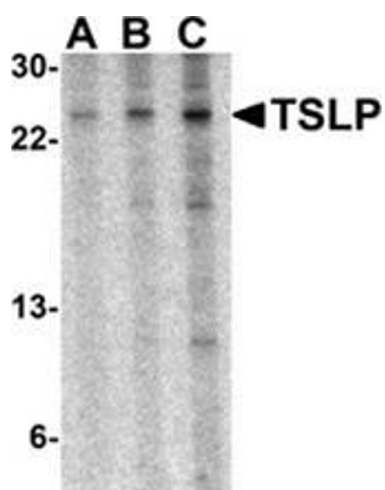
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of TSLP in Mouse brain tissue with AP30965PU-N TSLP antibody at 2.5 µg/ml.



#### Western Blotting

**Image 2.** Western blot analysis of TSLP in A-20 cell lysate with AP30965PU-N TSLP antibody at 0.5 µg/ml (A), 1 µg/ml (B) and 2 µg/ml (C).