

TSLP Antibody

Catalog No: #24487

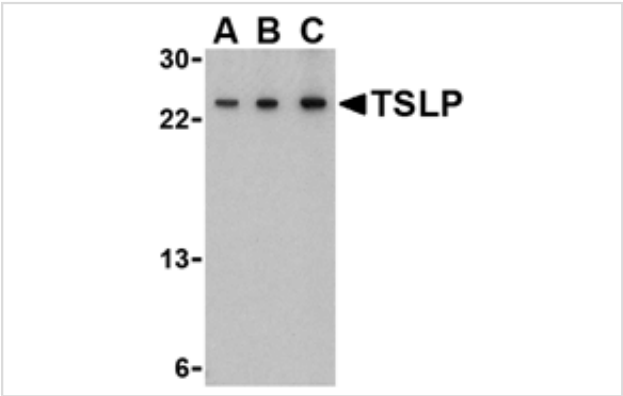


Orders: order@signalwayantibody.com
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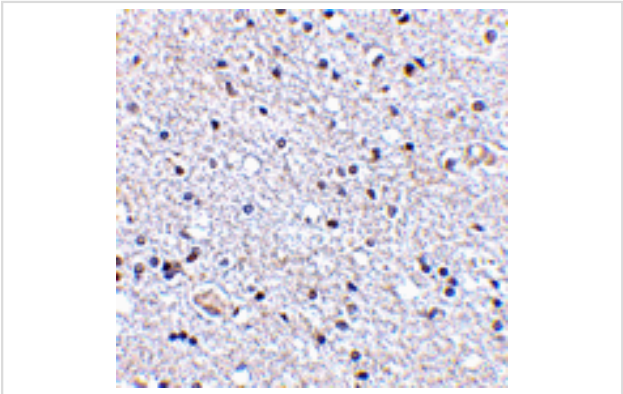
Description

Product Name	TSLP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA; IF;IHC-P;WB
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
Other Names	Thymic stromal lymphopoietin
Accession No.	Swiss-Prot:Q969D9Gene ID:85480
Uniprot	Q969D9
GeneID	85480;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°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.

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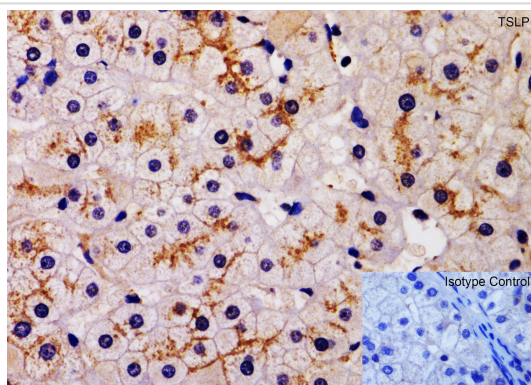
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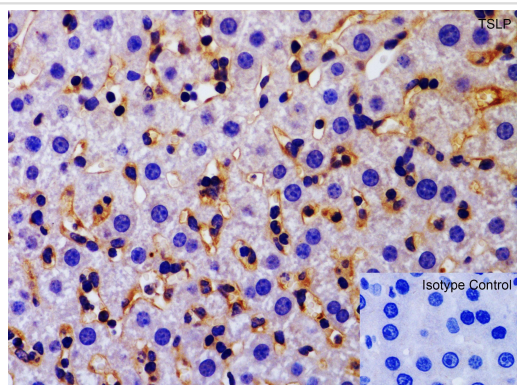
Western Blot Validation in Human Heart (Lane 1) and Human Prostate (Lane 2)

Loading: 15 ug of lysates per lane. Antibodies: TSLP (4 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry Validation of TSLP in Human Liver Tissue

Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-TSLP antibody at 2 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunohistochemistry Validation of TSLP in Mouse Liver Tissue

Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-TSLP antibody at 2 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

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

Note: This product is for in vitro research use only