

Product datasheet

Anti-TSLP antibody ab47943

[28 References](#) [2 Images](#)

Overview

Product name	Anti-TSLP antibody
Description	Rabbit polyclonal to TSLP
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF, WB, ELISA, Sandwich ELISA
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length TSLP protein (Human),>98% pure
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Lyophilized:Reconstitute with 100ul of sterile water to 1mg/ml.
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Purity	Immunogen affinity purified
Purification notes	This antibody was purified by affinity chromatography employing immobilized hTSLP matrix.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab47943 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
WB		Use a concentration of 0.1 - 0.2 µg/ml. Detects a band of approximately 28 kDa (predicted molecular weight: 18 kDa). Detection limit for recombinant hTSLP is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
ELISA		Use at an assay dependent concentration. This allows the detection of 0.2 - 0.4 ng/well of recombinant human TSLP, using 100µl/well antibody solution.
Sandwich ELISA		Use at an assay dependent concentration. To detect hTSLP by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with ab84247 detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hTSLP.

Target

Function

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.

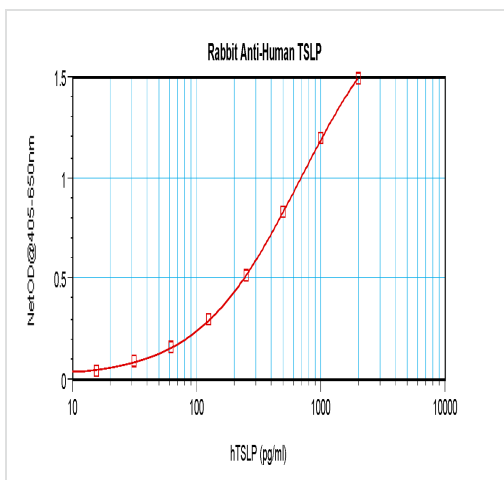
Tissue specificity

Expressed in a number of tissues including heart, liver and prostate.

Cellular localization

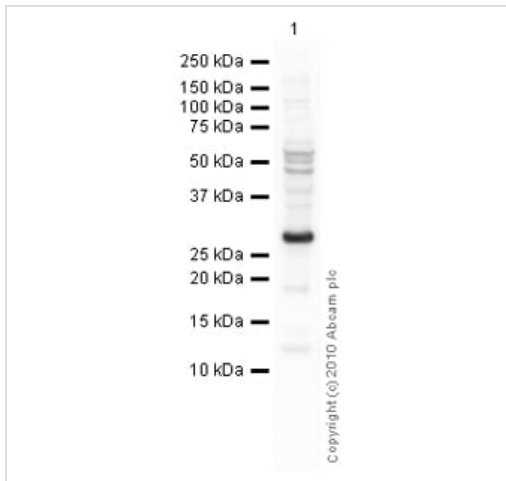
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Images



ab47943 detecting TSLP in sandwich ELISA

Sandwich ELISA - Anti-TSLP antibody (ab47943)



Western blot - Anti-TSLP antibody (ab47943)

Anti-TSLP antibody (ab47943) at 1 µg/ml + Human liver tissue lysate - total protein (**ab29889**) at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 18 kDa

Observed band size: 28 kDa

Additional bands at: 48 kDa, 51 kDa, 53 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 4 minutes

The 28 kDa band observed is comparable to the molecular weight seen with other commercially available antibodies to TSLP.

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