

Product Datasheet

TSLP Antibody - BSA Free NB110-55234

Unit Size: 0.05 mg

Store at 4C.

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NB110-55234

TSLP Antibody - BSA Free

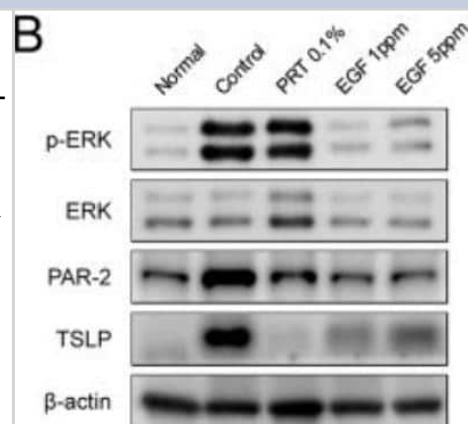
Product Information	
Unit Size	0.05 mg
Concentration	1.0 mg/ml
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	18 kDa

Product Description	
Description	Novus Biologicals Rabbit TSLP Antibody - BSA Free (NB110-55234) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-TSLP Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	85480
Gene Symbol	TSLP
Species	Human
Specificity/Sensitivity	Human TSLP has 2 isoforms, including isoform 1 (159aa, 18kD) and isoform 2 (63aa, 7kD). Mouse TSLP has one isoform (140aa, 16kD) and Rat TSLP also has one isoform (135aa, 16kD). NB110-55234 can detect only longer human isoform, but cannot detect shorter human isoform, mouse and rat.
Immunogen	Antibody was raised against a peptide corresponding to 19 amino acids near the center of human TSLP. The immunogen is located within the amino acids 40-90 of TSLP. Amino Acid Sequence: SGTKSTEFNNTVSCSNRPH

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.25-4 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 2.5 ug/ml

Images

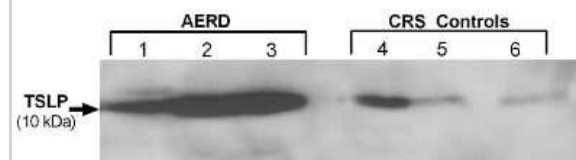
Western Blot: TSLP Antibody [NB110-55234] - EGF attenuates protein expression of PAR-2 and TSLP in DNCB-induced AD-like skin lesions in NC/Nga mice. Lysates were immunoblotted with anti-phospho-ERK, anti-ERK, anti-PAR-2, anti-TSLP, and anti-beta-actin antibodies. Cropped images from the different parts were displayed. Image collected and cropped by CiteAb from the following publication (www.nature.com/articles/s41598-018-30404-x) licensed under a CC-BY license.



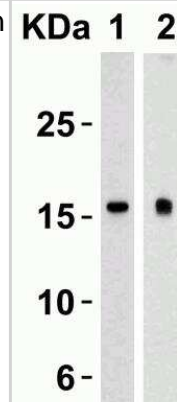
Immunohistochemistry: TSLP Antibody [NB110-55234] - EGF attenuates protein expression of PAR-2 and TSLP in DNCB-induced AD-like skin lesions in NC/ Nga mice. Paraffin sections of skin biopsies from DNCB-induced AD-like skin lesions were immunostained with anti-PAR-2 and anti-TSLP antibodies. Dark brown dots (Te red arrows) indicate positively stained cells. Images are representatives of groups. Scale bar, 100 μ m. Image collected and cropped by CiteAb from the following publication (www.nature.com/articles/s41598-018-30404-x) licensed under a CC-BY license.



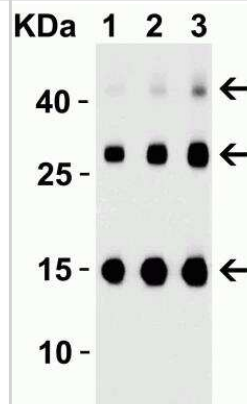
Western Blot: TSLP Antibody [NB110-55234] - Total protein levels of TSLP in patients with AERD and subjects with CRS measured by using Western blotting of 3 representative samples per group. This image was submitted via customer Review.



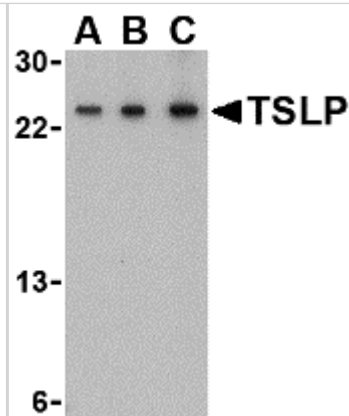
Western Blot: TSLP Antibody [NB110-55234] - Western Blot Validation in Human Heart (Lane 1) and Human Prostate (Lane 2). Loading: 15 μ g of lysates per lane. Antibodies: TSLP NB110-55234 (4 μ g/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



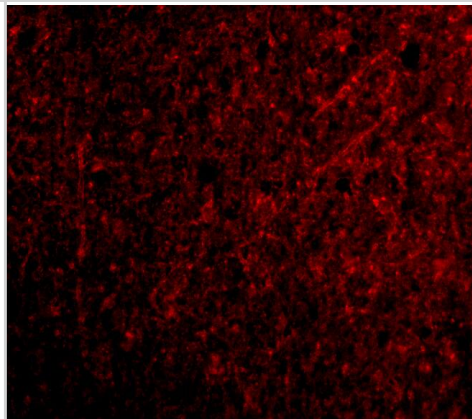
Western Blot: TSLP Antibody [NB110-55234] - Western Blot Validation of TSLP with Human Recombinant protein. Loading: 30ng of TSLP partial human recombinant protein per lane. Antibodies: TSLP NB110-55234 (Lane 1: 0.25 μ g/mL, Lane 2: 0.5 μ g/mL, Lane 3: 1 μ g/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



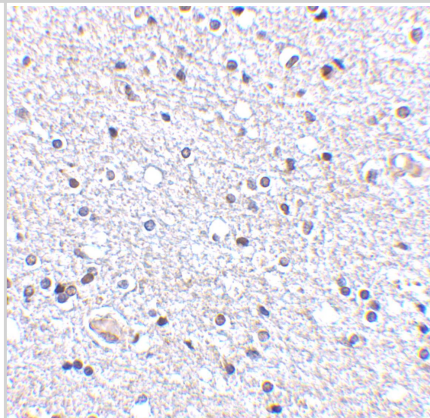
Western Blot: TSLP Antibody - BSA Free [NB110-55234] - Validation in Mouse A-20 Cell Line. Loading: 15 ug of lysates per lane. Antibodies: TSLP (A: 0.5 ug/mL, B: 1 ug/mL, C: 2 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunocytochemistry/ Immunofluorescence: TSLP Antibody - BSA Free [NB110-55234] - Validation of TSLP in Human Brain Tissue. Immunofluorescent analysis of 4% paraformaldehyde-fixed Human Brain Tissue labeling TSLP with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).



Immunohistochemistry: TSLP Antibody - BSA Free [NB110-55234] - Validation of TSLP in Human Brain Tissue. Immunohistochemical analysis of paraffin-embedded Human Brain Tissue using anti-TSLP antibody at 2.5 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 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Publications

Kanninen T, Tao L, Romero R et al. Thymic stromal lymphopoietin participates in the host response to intra-amniotic inflammation leading to preterm labor and birth *Human immunology* 2023-07-06 [PMID: 37422429] (WB, Human)

Chen C, Dai CY, Han F Et al. Interactions of thymic stromal lymphopoietin with interleukin-4 in adaptive immunity during *Aspergillus fumigatus* keratitis *International journal of ophthalmology* 2021-10-18 [PMID: 34667722] (WB, Mouse)

Kim YJ, Choi MJ, Bak DH et al. Topical administration of EGF suppresses immune response and protects skin barrier in DNCB-induced atopic dermatitis in NC/Nga mice *Sci Rep* 2018-08-09 [PMID: 30093649] (WB, Mouse)

Han Sang-Chul, Kang Gyeong-Jin, Ko Yeong-Jong et al. External Application of Fermented Olive Flounder (*Paralichthys olivaceus*) Oil Alleviates Inflammatory Responses in 2,4-Dinitrochlorobenzene-induced Atopic Dermatitis Mouse Model. *Toxicological Research* 2012-01-01 [PMID: 24278605] (IF/IHC, WB, Mouse)

Han Sang-Chul, Kang Gyeong-Jin, Ko Yeong-Jong et al. Fermented fish oil suppresses T helper 1/2 cell response in a mouse model of atopic dermatitis via generation of CD4⁺CD25⁺Foxp3⁺ T cells. *Bmc Immunology* 2012-01-01 [PMID: 22873180] (IF/IHC, WB, Mouse)

Buchheit KM, Cahill KN, Katz HR et al. Thymic stromal lymphopoietin controls prostaglandin D2 generation in patients with aspirin-exacerbated respiratory disease. *J. Allergy Clin. Immunol.* 2015-12-12 [PMID: 26691435]

Details:

TSLP antibody was used for WB analysis of lysates from nasal polyp samples of patients with aspirin-exacerbated respiratory disease/AERD (Fig 4; Fig E3). The antibody was tested for specificity using its corresponding blocking peptide NB110-55234PEP and was also compared with anti-TSLP antibody (ABT330 from Millipore; Fig E2).

Sziksz E, Molnar K, Lippai R et al. Peroxisome proliferator-activated receptor- γ and thymic stromal lymphopoietin are involved in the pathophysiology of childhood coeliac disease. *Virchows Arch.* 2014-09-04 [PMID: 25187315] (IHC-P, Human)





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Products Related to NB110-55234

NB110-55234PEP	TSLP Antibody Blocking Peptide
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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