

ARG66120 anti-TSLP antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TSLP
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TSLP
Species	Human
Immunogen	E. coli derived recombinant Human TSLP. (MYDFTNCDFE KIKAAAYLSTI SKDLITYMSG TKSTEFNNTV SCSNRPHCLT EIQLTFNPT AGCASLAKEM FAMKTKAALA IWCPGYSETQ INATQAMKKR RKRKVTTNKC LEQVSQLQGL WRRFNRPLLK QQ)
Conjugation	Un-conjugated
Alternate Names	Thymic stromal lymphopietin

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG66121 as a detection antibody
	IHC-P	0.125 µg/ml
	WB	0.1 - 0.2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

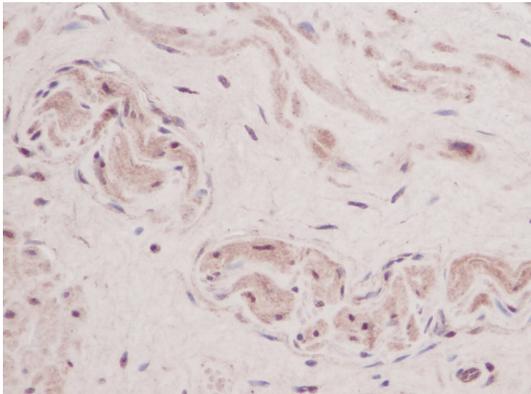
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

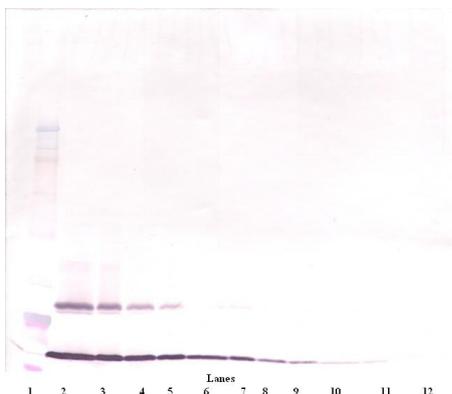
Database links	GeneID: 85480 Human Swiss-port # Q969D9 Human
Gene Symbol	TSLP
Gene Full Name	thymic stromal lymphopoietin
Background	This gene encodes a hemopoietic cytokine proposed to signal through a heterodimeric receptor complex composed of the thymic stromal lymphopoietin receptor and the IL-7R alpha chain. It mainly impacts myeloid cells and induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of CD11c(+) dendritic cells. The protein promotes T helper type 2 (TH2) cell responses that are associated with immunity in various inflammatory diseases, including asthma, allergic inflammation and chronic obstructive pulmonary disease. The protein is therefore considered a potential therapeutic target for the treatment of such diseases. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012]
Function	Isoform 1: 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. Isoform 2: May act as an antimicrobial peptide in the oral cavity and on the skin. [UniProt]
Calculated Mw	18 kDa

Images



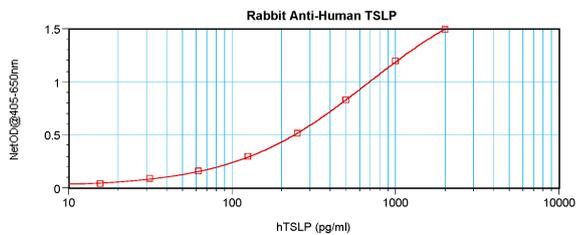
ARG66120 anti-TSLP antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human prostate. The recommended ARG66120 anti-TSLP antibody concentration is 0.125 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



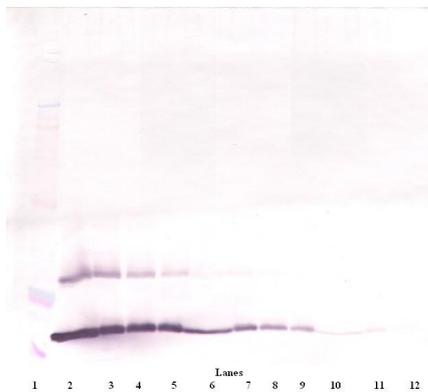
ARG66120 anti-TSLP antibody WB image

Western blot: 250 - 0.24 ng of Human TSLP stained with ARG66120 anti-TSLP antibody, under non-reducing conditions.



ARG66120 anti-TSLP antibody standard curve image

Sandwich ELISA: ARG66120 anti-TSLP antibody as a capture antibody at 0.5 - 2.0 $\mu\text{g}/\text{ml}$ combined with ARG66121 anti-TSLP antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66120 anti-TSLP antibody WB image

Western blot: 250 - 0.24 ng of Human TSLP stained with ARG66120 anti-TSLP antibody, under reducing conditions.