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Datasheet for ABIN749747

anti-CRLF2 antibody (AA 81-180) (HRP)

Overview

Quantity:	100 µL
Target:	CRLF2
Binding Specificity:	AA 81-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRLF2 antibody is conjugated to HRP
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CRLF2
Isotype:	IgG
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	CRLF2
Alternative Name:	Crlf2 (CRLF2 Products)
Background:	Synonyms: TSLPR, CRLF2, CRL 2, CRL2, CRLF 2, CRLF2Y, Cytokine receptor CRL2 precursor,

Target Details

Cytokine receptor like 2, Cytokine receptor like factor 2, Cytokine receptor like factor 2 precursor, IL XR, ILXR, Thymic stromal derived lymphopoietin receptor, Thymic stromal lymphopoietin protein receptor, Thymic stromal lymphopoietin receptor, TSLP receptor, TSLPR.

Background: TSLPR is a type I membrane receptor that forms a functional heterodimeric complex with IL7R to bind TSLP. The TSLP R contains a WSXWS motif required for proper protein folding and a box1 motif important for association with the JAKs. TSLPR has a predicted molecular weight approximately 41 kD, and two further isoforms have been reported that are produced by alternative splicing. The TSLPR is expressed preferentially in myeloid cells including dendritic cells and activated monocytes, and is weakly expressed in T cells.

Expression has also been reported in heart, skeletal muscle, and kidney tissues. TSLP binding to the heterodimeric functional receptor (TSLPR and IL7R) activates JAK2, STAT3 and STAT5 to stimulate cell proliferation. Ligand receptor interactions have been implicated in the development of the hematopoietic system, dendritic cell maturation, and the maintenance and polarization of human Th2 memory T cells in allergic diseases.

Gene ID: 64109

Application Details

Application Notes: IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months