

For Research Use Only

IL-21 Polyclonal antibody

Catalog Number: 17625-1-AP **7 Publications**



Basic Information

Catalog Number: 17625-1-AP	GenBank Accession Number: BC066258	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 59067	Recommended Dilutions: IHC: 1:50-1:500
Isotype: IgG	UNIPROT ID: Q9HBE4	
Immunogen Catalog Number: AG11838	Full Name: interleukin 21	
	Calculated MW: 162 aa, 19 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse skin tissue,
Cited Applications: IHC, IF	
Species Specificity: human, mouse	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Interleukin 21 (IL-21) is a cytokine produced predominantly by cluster of differentiation 4 (CD4+) T-cells and natural killer T-cells. IL-21 is preliminarily expressed in activated cluster of differentiation 4 (CD4+) T-cells and natural killer (NK) T-cells. IL-21 receptor (IL-21R) is a class I cytokine receptor, which requires dimerization with the indispensable common gamma chain (γc) subunit to bind IL-21. IL-21 plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells. IL-21 mediates apoptosis in B-CLL cells through up-regulation of the BIM (BH3 family member) and enhances both direct and antibody-dependent cellular cytotoxicity in these cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Heng Li	26311508	Mol Cell Neurosci	FC
Hiroto Tsuboi	40632102	Mod Rheumatol	IF
Rochana Pramanik	39831928	Immunol Res	

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

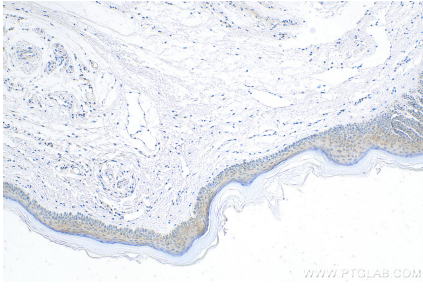
T: 4006900926

E: Proteintech-CN@ptglab.com

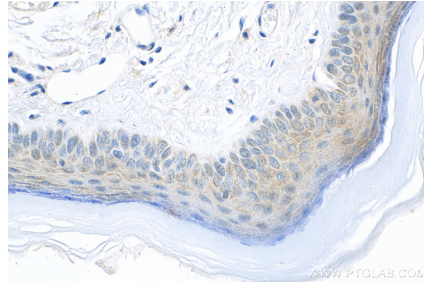
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 17625-1-AP (IL-21 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 17625-1-AP (IL-21 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).