

For Research Use Only

# IL-21 Polyclonal antibody

Catalog Number: 17625-1-AP

6 Publications



## Basic Information

<b>Catalog Number:</b> 17625-1-AP	<b>GenBank Accession Number:</b> BC066258	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 59067	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9HBE4	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 21	
<b>Immunogen Catalog Number:</b> AG11838	<b>Calculated MW:</b> 162 aa, 19 kDa	

## Applications

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

## 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
Rochana Pramanik	39831928	Immunol Res	
Mika Takai	39428323	Cancer Sci	

## Storage

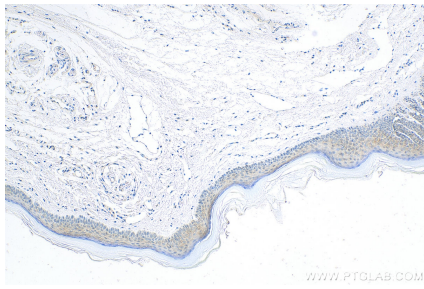
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

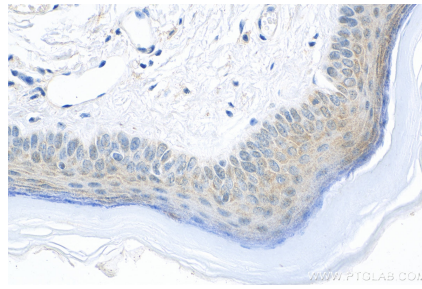
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## Selected Validation Data



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).