

For Research Use Only

IL-21 Polyclonal antibody

Catalog Number: 17625-1-AP

5 Publications



Basic Information

Catalog Number: 17625-1-AP	GenBank Accession Number: BC066258	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 59067	Recommended Dilutions: IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9HBE4	
Isotype: IgG	Full Name: interleukin 21	
Immunogen Catalog Number: AG11838	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 (γ c) 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	
Dan Han	38102968	FASEB J	IHC

Storage

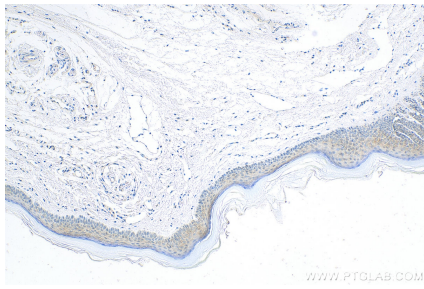
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

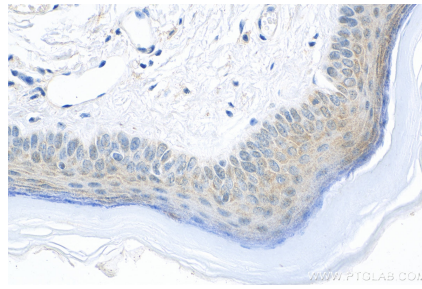
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Selected Validation Data



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).