

For Research Use Only

# IL-4RA/CD124 Polyclonal antibody

Catalog Number: 28331-1-AP

3 Publications



## Basic Information

Catalog Number: 28331-1-AP	GenBank Accession Number: NM_000418	Purification Method: Antigen affinity purification
Concentration: 700 ug/ml	GeneID (NCBI): 3566	Recommended Dilutions: WB 1:500-1:1000 IHC 1:300-1:1200
Source: Rabbit	UNIPROT ID: P24394	
Isotype: IgG	Full Name: interleukin 4 receptor	
Immunogen Catalog Number: AG28766	Calculated MW: 90 kDa Observed MW: 120-140 kDa	

## Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : Daudi cells, IHC : human tonsillitis tissue,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	
<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

IL-4 receptor alpha chain (IL-4RA), also known as CD124, is a transmembrane glycoprotein expressed on a wide variety of hematopoietic and non-hematopoietic cells. It is a receptor for both IL-4 and IL-13. IL-4RA can complex with the common gamma chain (IL-2R gamma or CD132) and utilizes JAK1 and JAK2 for signal transduction, while complexes of IL-4RA with IL-13RA1 subunit mediate signals via JAK2 and Tyk2. The IL-4 response is involved in promoting Th2 differentiation. The IL-4/IL-13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ying Jiang	36551866	Biomedicines	WB
Yun Liu	39941924	Cancers (Basel)	WB
Yanhua Dai	38700108	Cancer Sci	WB

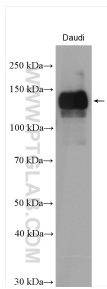
## Storage

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

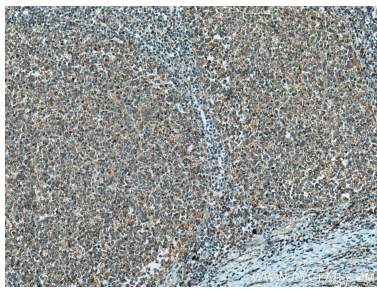
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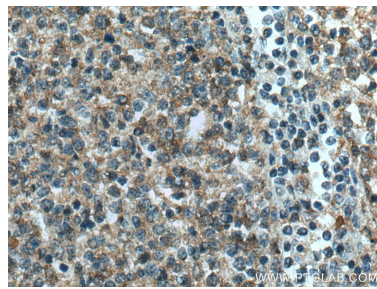
## Selected Validation Data



Daudi cells were subjected to SDS PAGE followed by western blot with 28331-1-AP (IL-4RA/CD124 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28331-1-AP (IL-4RA/CD124 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28331-1-AP (IL-4RA/CD124 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).