

For Research Use Only

# IL-4RA/CD124 Polyclonal antibody

Catalog Number: 28331-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 28331-1-AP	<b>GenBank Accession Number:</b> NM_000418	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3566	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:300-1:1200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P24394	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 4 receptor	
<b>Immunogen Catalog Number:</b> AG28766	<b>Calculated MW:</b> 90 kDa	
	<b>Observed MW:</b> 120-140 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> Daudi cells,
<b>Species Specificity:</b> human	<b>IHC :</b> human tonsillitis tissue,
<b>Cited Species:</b> 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
Yanhua Dai	38700108	Cancer Sci	WB

## Storage

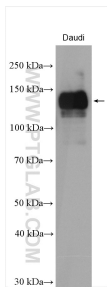
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

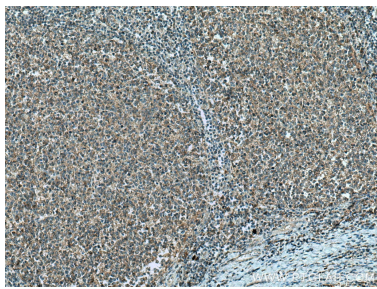
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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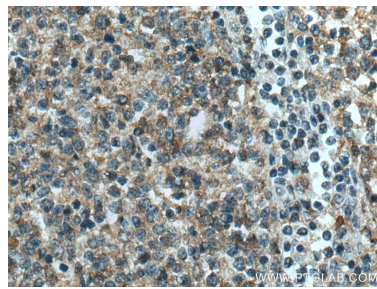
## Selected Validation Data



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).