

For Research Use Only

IL-4RA/CD124 Polyclonal antibody

Catalog Number: 28331-1-AP

2 Publications



Basic Information

Catalog Number: 28331-1-AP	GenBank Accession Number: NM_000418	Purification Method: Antigen affinity purification
Size: 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	
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

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

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

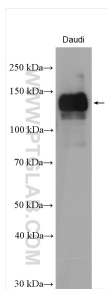
T: 4006900926

E: Proteintech-CN@ptglab.com

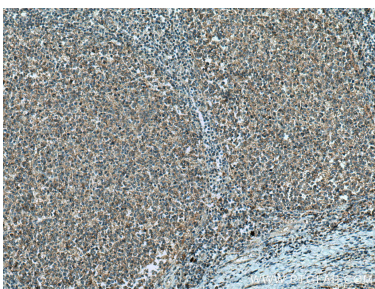
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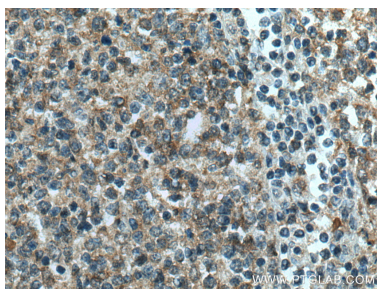
Selected Validation Data



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).