

# IL-12RB1 Polyclonal antibody

Catalog Number: 13287-1-AP

Featured Product

2 Publications

## Basic Information

<b>Catalog Number:</b> 13287-1-AP	<b>GenBank Accession Number:</b> BC029121	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 200 µg/ml	<b>GeneID (NCBI):</b> 3594	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P42701	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 12 receptor, beta 1	
<b>Immunogen Catalog Number:</b> AG3983	<b>Calculated MW:</b> 662 aa, 73 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : K-562 cells, Jurkat cells IHC : human tonsillitis tissue,
<b>Cited Applications:</b> WB, IP, IF, IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse, monkey	
<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

IL12RB1, also named as Interleukin-12 receptor subunit beta-1 or CD212, is a 662 amino acid protein, which contains 5 fibronectin type-III domains and belongs to the type I cytokine receptor family. Type 2 subfamily. IL12RB1 localizes in the membrane and functions as an interleukin receptor which binds interleukin-12 with low affinity and is involved in IL12 transduction. Associated with IL12RB2 it forms a functional, high affinity receptor for IL12. Associates also with IL23R to form the interleukin-23 receptor which functions in IL23 signal transduction probably through activation of the Jak-Stat signaling cascade.

## Notable Publications

Author	Pubmed ID	Journal	Application
Mengqiu Bai	36507530	Front Med (Lausanne)	IHC,IF
Ford Nicole R NR	23024274	J Immunol	WB, IP, IF

## 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:

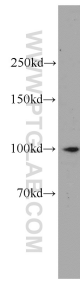
T: 4006900926

E: Proteintech-CN@ptglab.com

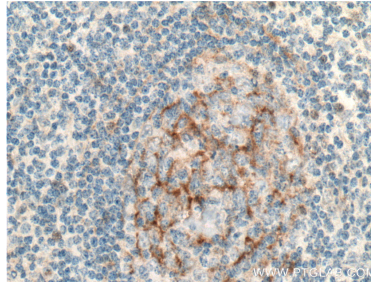
W: ptgcn.com

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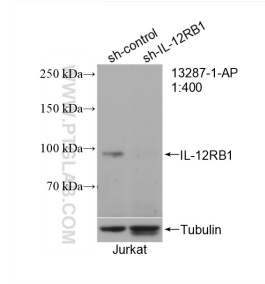
## Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 13287-1-AP (IL12RB1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 13287-1-AP (IL12RB1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of IL-12RB1 antibody (13287-1-AP; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-IL-12RB1 transfected Jurkat cells.