

# IL-12RB1 Polyclonal antibody

Catalog Number: 13287-1-AP

Featured Product

2 Publications

## Basic Information

## Catalog Number:

13287-1-AP

## Size:

200 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG3983

## GenBank Accession Number:

BC029121

## GeneID (NCBI):

3594

## UNIPROT ID:

P42701

## Full Name:

interleukin 12 receptor, beta 1

## Calculated MW:

662 aa, 73 kDa

## Observed MW:

100 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

## Tested Applications:

WB, IP, IHC, ELISA

## Cited Applications:

WB, IP, IF, IHC

## Species Specificity:

human

## Cited Species:

human, mouse, monkey

**Note-IHC: suggested antigen retrieval with *TE buffer pH 9.0*; (\*) Alternatively, antigen retrieval may be performed with *citrate buffer pH 6.0***

## Positive Controls:

WB : K-562 cells, Jurkat cells

IP : K-562 cells,

IHC : human tonsillitis tissue,

## 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

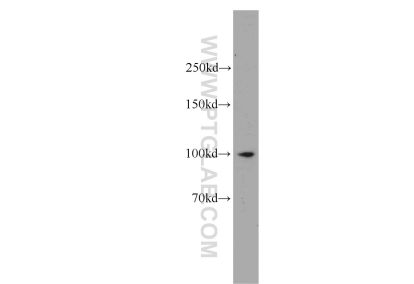
For technical support and original validation data for this product please contact:

T: 4006900926

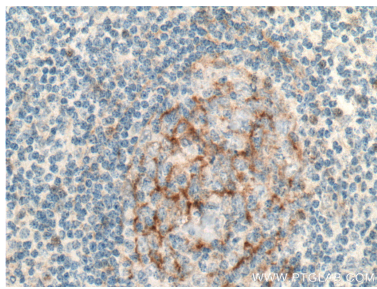
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

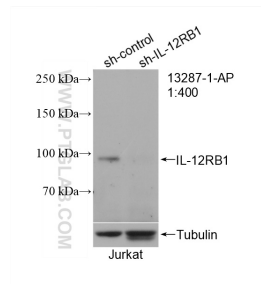
Selected Validation Data



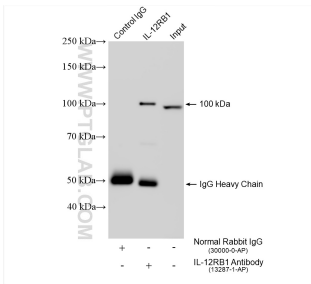
K-562 cells were subjected to SDS PAGE followed by western blot with 13287-1-AP (IL12RB1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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.



IP result of anti-IL-12RB1 (IP:13287-1-AP, 4ug; Detection:13287-1-AP 1:300) with K-562 cells lysate 1820 ug.