

For Research Use Only

IL-12RB1/CD212 Polyclonal antibody

Catalog Number: 13287-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

13287-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human

Cited Species:

human, mouse, monkey

Positive Controls:

WB : K-562 cells, Jurkat cells

IP : K-562 cells,

IHC : human tonsillitis tissue,

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

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

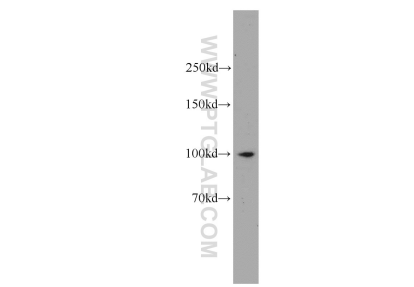
For technical support and original validation data for this product please contact:

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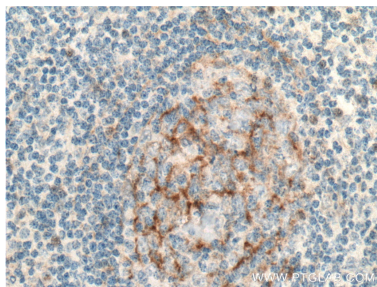
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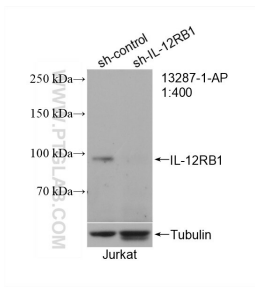
Selected Validation Data



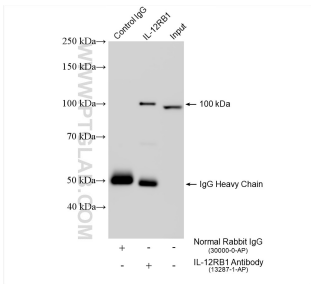
K-562 cells were subjected to SDS PAGE followed by western blot with 13287-1-AP (IL12RB1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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.



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