

For Research Use Only

IL-12RB1 Polyclonal antibody

Catalog Number: 13287-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 13287-1-AP	GenBank Accession Number: BC029121	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3594	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: interleukin 12 receptor, beta 1	
Isotype: IgG	Calculated MW: 662 aa, 73 kDa	
Immunogen Catalog Number: AG3983	Observed MW: 100 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : K-562 cells, Jurkat cells
Cited Applications: IF, IHC, IP, WB	IHC : human tonsillitis tissue,
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

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

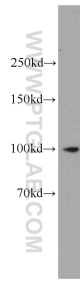
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

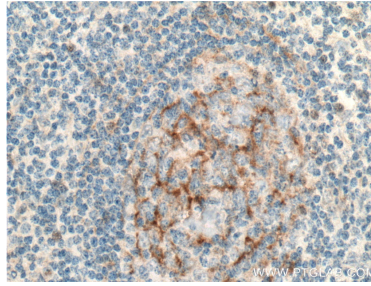
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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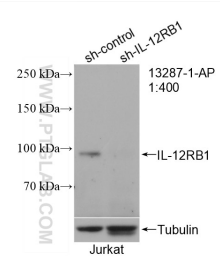
Selected Validation Data



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.