

For Research Use Only

# IL-10RB Polyclonal antibody

Catalog Number: 15102-1-AP

3 Publications



## Basic Information

<b>Catalog Number:</b> 15102-1-AP	<b>GenBank Accession Number:</b> BC001903	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3588	<b>Recommended Dilutions:</b> WB 1:300-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> interleukin 10 receptor, beta	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 37 kDa	
<b>Immunogen Catalog Number:</b> AG7445	<b>Observed MW:</b> 42-45 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : rat skeletal muscle tissue, Jurkat cells, mouse skeletal muscle tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	

## Background Information

Interleukin-10 (IL-10) is an anti-inflammatory cytokine that plays a critical role in maintaining immune system balance. IL-10 signals through a receptor complex consisting of two molecules of the IL-10R alpha-chain (IL-10RA) and two molecules of the accessory IL-10R beta-chain (IL-10RB) (PMID: 22236434). IL-10RA and IL-10RB are members of the type II cytokine receptor family. IL-10RB, also known as IL-10R2 or CDw210b, is the signaling subunit of the IL-10R complex and is constitutively expressed in a variety of cell types (PMID: 24507158). Binding of IL-10 to the IL-10R complex leads to JAK1- and TYK2-mediated phosphorylation of STAT3 (PMID: 11244051; 10433356). IL-10RB is also shared by several other cytokines, including IL22, IL-26, IFN-γ, IL-28A/B and IL29 (PMID: 22236434).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yang Che	34015450	Biochim Biophys Acta Mol Basis Dis	WB
Shuyue Luo	35811529	J Alzheimers Dis	WB
Mai Yamamoto	37319277	PLoS One	WB

## Storage

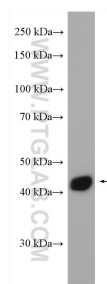
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 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  
W: ptglab.com

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## Selected Validation Data



rat skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 15102-1-AP (IL10RB antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.