

For Research Use Only

IL-10RB Polyclonal antibody

Catalog Number: 15102-1-AP

4 Publications



Basic Information

Catalog Number:

15102-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7445

GenBank Accession Number:

BC001903

GeneID (NCBI):

3588

UNIPROT ID:

Q08334

Full Name:

interleukin 10 receptor, beta

Calculated MW:

37 kDa

Observed MW:

42-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:300-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : rat skeletal muscle tissue, Jurkat cells, mouse skeletal muscle tissue

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
Yao Jiang	38647150	Adv Healthc Mater	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

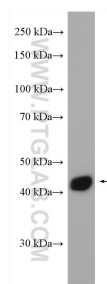
For technical support and original validation data for this product please contact:

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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.