

For Research Use Only

# IL-13Ra1 Polyclonal antibody

Catalog Number: 27916-1-AP



## Basic Information

Catalog Number:

27916-1-AP

Size:

200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25542

GenBank Accession Number:

BC009960

GeneID (NCBI):

3597

UNIPROT ID:

P78552

Full Name:

interleukin 13 receptor, alpha 1

Calculated MW:

49 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HT-29 cells, Jurkat cells, Raji cells, mouse skeletal muscle tissue

## Background Information

IL-13 is an immunoregulatory cytokine secreted predominantly by activated T-helper 2 (Th2) cells and performs multiple functions through a complex receptor system comprised of IL-4R  $\alpha$  and two IL-13 binding proteins, IL-13R  $\alpha$  1 and IL-13R  $\alpha$  2 (PMID: 12704343). IL-13R  $\alpha$  1 is a 65- to 70-kd glycosylated transmembrane protein (PMID: 10856136; 9723655). IL-13R  $\alpha$  1 is expressed on a wide range of cells including B cells, monocytes, macrophages, basophils, mast cells, and endothelial cells (PMID: 10856136; 31866859). IL-13 binding to the IL-4R  $\alpha$  /IL-13R  $\alpha$  1 complex leads to activation of JAK1, JAK2, and TYK2 and subsequent phosphorylation of STAT6 and STAT3 (PMID: 31866859).

## 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:

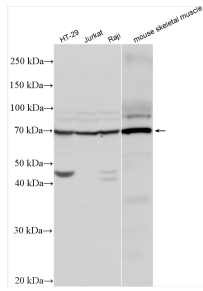
T: 4006900926

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



Various lysates were subjected to SDS PAGE followed by western blot with 27916-1-AP (IL-13RA1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.