

For Research Use Only

IL-13Ra1 Polyclonal antibody

Catalog Number: 27916-1-AP



Basic Information

Catalog Number:

27916-1-AP

Size:

150ul , Concentration: 200 ug/ml by Nanodrop;

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-4Ra and two IL-13 binding proteins, IL-13Ra1 and IL-13Ra2 (PMID: 12704343). IL-13Ra1 is a 65- to 70-kd glycosylated transmembrane protein (PMID: 10856136; 9723655). IL-13Ra1 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-4Ra/IL-13Ra1 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

*** 20ul sizes contain 0.1% BSA

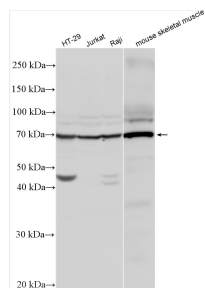
For technical support and original validation data for this product please contact:

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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.