

For Research Use Only

IL-13Ra1 Polyclonal antibody

Catalog Number: 27916-1-AP



Basic Information

Catalog Number: 27916-1-AP	GenBank Accession Number: BC009960	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop;	GeneID (NCBI): 3597	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	Full Name: interleukin 13 receptor, alpha 1	
Isotype: IgG	Calculated MW: 49 kDa	
Immunogen Catalog Number: AG25542	Observed MW: 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HT-29 cells, Jurkat cells, Raji cells, mouse skeletal muscle tissue
Species Specificity: Human, Mouse	

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

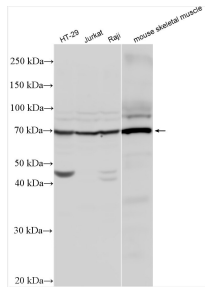
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



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.