

For Research Use Only

IL-10 Polyclonal antibody

Catalog Number: 20850-1-AP **115 Publications**



Basic Information

Catalog Number: 20850-1-AP	GenBank Accession Number: BC104252	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3586	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P22301	
Isotype: IgG	Full Name: interleukin 10	
Immunogen Catalog Number: AG14644	Calculated MW: 21 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: Recombinant protein, ag14644
Cited Applications: WB, IHC, IF, ELISA	
Species Specificity: human	
Cited Species: human, mouse, rat, pig, monkey, bovine	

Background Information

The human IL10 gene is 4.7 kb in size and is located on the long arm of chromosome 1. It contains five exons. Biologically functional IL-10 exists in the form of a 36 kDa homodimer composed of two non-covalently bonded mono-mers each with 160 amino acids length. IL-10 is an anti-inflammatory cytokine, produced by T helper (Th) cells, macrophages, monocytes, and B cells, that plays a crucial role in preventing inflammatory and autoimmune pathologies. It downregulates the expression of Th1 cytokines, MHC class II antigens, and co-stimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. IL-10 can block NF-κB activity, and is involved in the regulation of the JAK-STAT signaling pathway. IL-10, along with its receptors, describes an important role in pathogenesis of various diseases, including infectious, inflammatory, autoimmune diseases. IL-10 mutations are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhaohua Shen	36182776	EBioMedicine	IHC
Chengmei Huang	34583750	J Exp Clin Cancer Res	WB
Zhihong Min	30546456	Oncol Lett	

Storage

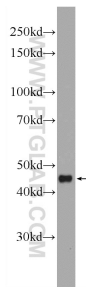
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Recombinant protein were subjected to SDS PAGE followed by western blot with 20850-1-AP (IL-10 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.