

For Research Use Only

IL-1 Beta Polyclonal antibody

Catalog Number: 16806-1-AP **203 Publications**



Basic Information

Catalog Number: 16806-1-AP	GenBank Accession Number: BC008678	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 193 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3553	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: interleukin 1, beta	
Isotype: IgG	Calculated MW: 269 aa, 31 kDa	
Immunogen Catalog Number: AG10295	Observed MW: 30-35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : THP-1 cells, human adrenal gland tissue, A431 cells
Cited Applications: ELISA, IF, IHC, WB	
Species Specificity: human	
Cited Species: human, rabbit, zebrafish	

Background Information

Interleukin-1, produced mainly by blood monocytes, mediates the panoply of host reactions collectively known as acute phase response. It is identical to endogenous pyrogen. The multiple biologic activities that define IL1 are properties of a 15- to 18-kD protein that is derived from a 30- to 35-kD precursor. Interleukin 1 β (IL-1B) is a member of the interleukin 1 cytokine family. It is a pro-inflammatory cytokine against infection, playing an important role in the pathogenesis of cancers. It signals through various adaptor proteins and kinases that lead to activation of numerous downstream targets. The expression level of IL-1B is very low.

Notable Publications

Author	Pubmed ID	Journal	Application
Chuyue Zhang	30272163	Hum Reprod	WB
Hang-Bing Dai	32985779	Obesity (Silver Spring)	
Yuxin Xie	33335794	Mol Ther Nucleic Acids	WB

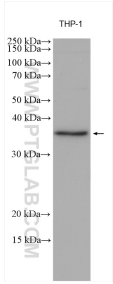
Storage

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

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



THP-1 cells were subjected to SDS PAGE followed by western blot with 16806-1-AP (IL1 beta antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.