

For Research Use Only

IL-1 alpha Polyclonal antibody

Catalog Number: 28475-1-AP

2 Publications



Basic Information

Catalog Number: 28475-1-AP	GenBank Accession Number: BC013142	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1200 ug/ml by Nanodrop;	GeneID (NCBI): 3552	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P01583	
Isotype: IgG	Full Name: interleukin 1, alpha	
Immunogen Catalog Number: AG29587	Calculated MW: 271 aa, 31 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : PMA, LPS and Brefeldin A treated THP-1 cells,
Cited Applications: WB	
Species Specificity: human	
Cited Species: mouse	

Background Information

Interleukin-1 α (IL-1 alpha) is a protein that plays a crucial role in the regulation of a number of key cellular processes. IL-1 Alpha is a cytokine and a potent mediator of body's response to inflammation, microbial invasion, tissue injury and immunological response. In addition, recent studies suggest that IL-1 Alpha also has a role in wound healing, rheumatoid arthritis, Alzheimer's disease and tumor growth. IL-1 Alpha functions as an alarmin during the process of sterile inflammation. It serves as a signal from dying cells to potentiate the inflammatory response, increasing the expression of other secreted factors like IL-6 and IL-8. IL-1 Alpha was found to affect the cell cycle of osteosarcoma cell to reduce cell growth. IL-1 Alpha is initially translated as approximately 30-kD polypeptides that are processed to approximately 17.5-kD polypeptides prior to, or during, release from macrophages.

Notable Publications

Author	Pubmed ID	Journal	Application
Rumin Huang	38437888	J Ethnopharmacol	WB
Bingzheng Gong	38402995	Brain Res Bull	WB

Storage

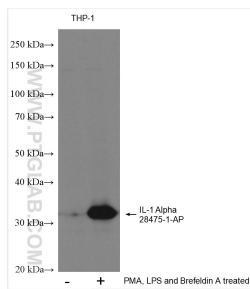
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



Untreated THP-1 cells, THP-1 cells (treated with 50 nM PMA and 5 ug/ml LPS for 24 hours, with addition of 300ng/ml Brefeldin A for the last 3 hours.) were subjected to SDS PAGE followed by western blot with 28475-1-AP (IL-1 alpha antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.