

For Research Use Only

# IL-1 alpha Polyclonal antibody

Catalog Number: 28475-1-AP

2 Publications



## Basic Information

Catalog Number:

28475-1-AP

Size:

1200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29587

GenBank Accession Number:

BC013142

GeneID (NCBI):

3552

UNIPROT ID:

P01583

Full Name:

interleukin 1, alpha

Calculated MW:

271 aa, 31 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : PMA, LPS and Brefeldin A treated THP-1 cells,

## Background Information

Interleukin-1 $\alpha$  (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

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

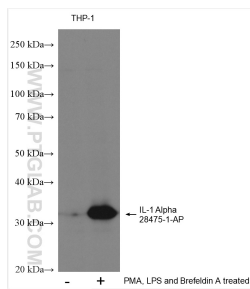
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## 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.