

For Research Use Only

# MIF Polyclonal antibody

Catalog Number: 20415-1-AP

Featured Product

24 Publications



## Basic Information

**Catalog Number:**

20415-1-AP

**Concentration:**

650 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG14058

**GenBank Accession Number:**

BC000447

**GeneID (NCBI):**

4282

**UNIPROT ID:**

P14174

**Full Name:**

macrophage migration inhibitory factor (glycosylation-inhibiting factor)

**Calculated MW:**

115 aa, 12 kDa

**Observed MW:**

12 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IF/ICC, FC (Intra), IP, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

**Positive Controls:**

WB: A549 cells, U-937 cells, Y79 cells, HL-60 cells, Jurkat cells, U-87 MG cells, HEK-293T cells, HUVEC cells, J774A.1 cells, Neuro-2a cells, mouse spleen tissue, rat spleen tissue

IP: mouse spleen tissue,

IF/ICC: U-251 cells,

## Background Information

MIF is a pleiotropic cytokine that contributes to the pathogenesis of many autoimmune diseases through its upstream immunoregulatory function and its polymorphic genetic locus. MIF is a highly conserved protein of 12.5 kDa, with evolutionarily ancient homologues in plants, protozoans, nematodes, and invertebrates.

## Notable Publications

Author	Pubmed ID	Journal	Application
Rui-Min Liu	29079416	Cancer Lett	WB
Langdong Chen	27754507	Mol Biosyst	
Xing Guo	29113309	Oncotarget	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:

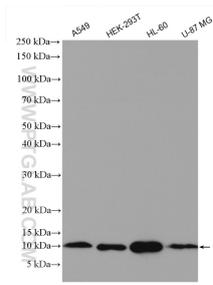
T: 4006900926

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

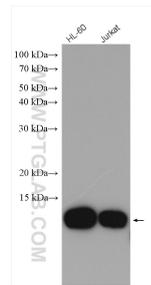
W: [ptgcn.com](http://ptgcn.com)

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

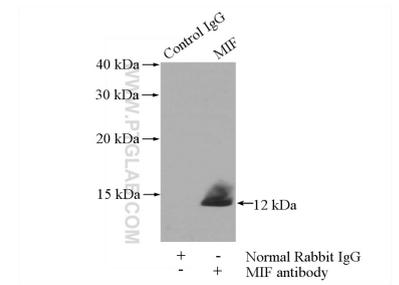
## Selected Validation Data



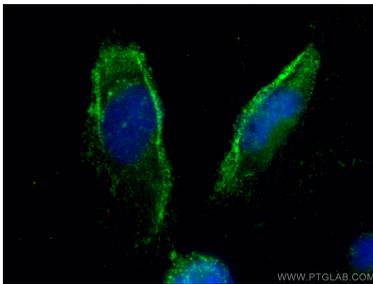
Various lysates were subjected to SDS PAGE followed by western blot with 20415-1-AP (MIF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



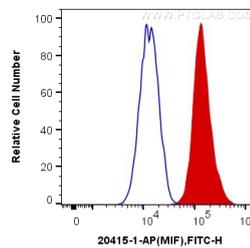
Various lysates were subjected to SDS PAGE followed by western blot with 20415-1-AP (MIF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-MIF (IP:20415-1-AP, 4ug; Detection:20415-1-AP 1:1000) with mouse spleen tissue lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using MIF antibody (20415-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> THP-1 cells were intracellularly stained with 0.4 ug Anti-Human MIF (20415-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).