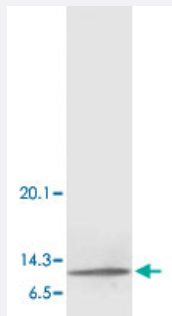


MIF polyclonal antibody

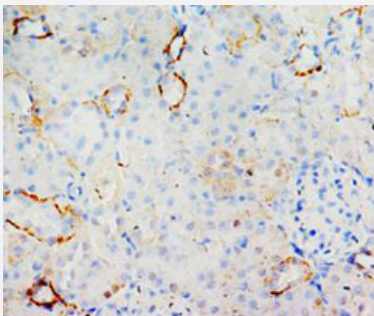
Catalog # PAB7990 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of MCF-7 cell extracts using MIF polyclonal antibody (Cat # PAB7990).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded rat kidney sections, stain MIF in cytoplasm DAB chromogenic reaction.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MIF.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human MIF.
Host	Rabbit
Theoretical MW (kDa)	12.4
Reactivity	Human, Rat
Form	Lyophilized
Purification	Affinity purification

Isotype	IgG
Recommend Usage	Western Blot (0.1-0.5 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) Immunocytochemistry/Immunofluorescence (5 ug/ml) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of MCF-7 cell extracts using MIF polyclonal antibody (Cat # PAB7990).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded rat kidney sections, stain MIF in cytoplasm DAB chromogenic reaction.

- Immunocytochemistry

- Immunofluorescence

Gene Info — MIF

Entrez GeneID	4282
Gene Name	MIF
Gene Alias	GIF, GLIF, MMIF
Gene Description	macrophage migration inhibitory factor (glycosylation-inhibiting factor)
Omim ID	153620 604302
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein form a complex in the cytosol near the peripheral plasma membrane, which may indicate an additional role in integrin signaling pathways. [provided by RefSeq]

Other Designations

glycosylation-inhibiting factor|phenylpyruvate tautomerase

Publication Reference

- [MIF is a noncognate ligand of CXC chemokine receptors in inflammatory and atherogenic cell recruitment.](#)

Bernhagen J, Krohn R, Lue H, Gregory JL, Zernecke A, Koenen RR, Dewor M, Georgiev I, Schober A, Leng L, Kooistra T, Fingerle-Rowson G, Ghezzi P, Kleemann R, McColl SR, Bucala R, Hickey MJ, Weber C.

Nature Medicine 2007 May; 13(5):587.

Application: Func, Human, Mouse, HAoECs, Human, mouse monocytes, MonoMac6 cells

- [Localization of the human gene for macrophage migration inhibitory factor \(MIF\) to chromosome 22q11.2.](#)

Budarf M, McDonald T, Sellinger B, Kozak C, Graham C, Wistow G.

Genomics 1997 Jan; 39(2):235.

- [Structural characterization and chromosomal location of the mouse macrophage migration inhibitory factor gene and pseudogenes.](#)

Bozza M, Kolakowski LF Jr, Jenkins NA, Gilbert DJ, Copeland NG, David JR, Gerard C.

Genomics 1995 Jun; 27(3):412.

Application: WB-Ce, WB-Tr, Mouse, Mammalian cells

Pathway

- [Phenylalanine metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Acute Disease](#)
- [Alopecia Areata](#)
- [Alphavirus Infections](#)

- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Anoxia](#)
- [Arthralgia](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Autoimmune Diseases](#)
- [Biliary Atresia](#)
- [Birth Weight](#)
- [Bone Resorption](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Accident](#)
- [Chagas Disease](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Community-Acquired Infections](#)
- [Coronary Disease](#)
- [Coronary Vessel Anomalies](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)

- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Dyspepsia](#)
- [Edema](#)
- [Esophagitis](#)
- [Familial Mediterranean fever](#)
- [Fatty Liver](#)
- [Fetal Membranes](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulosclerosis](#)
- [Hamartoma](#)
- [Helicobacter Infections](#)
- [Hypercholesterolemia](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Diseases](#)

- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Malaria](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metaplasia](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Nephrosis](#)
- [Nephrotic Syndrome](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Pain](#)
- [Pancreatitis](#)
- [Paraplegia](#)
- [Parasitemia](#)
- [Pneumonia](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Purpura](#)

- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Recurrence](#)
- [Sarcoidosis](#)
- [Sepsis](#)
- [Stomach Neoplasms](#)
- [Temporal Arteritis](#)
- [Tooth Loss](#)
- [Tuberculosis](#)
- [Vasculitis](#)
- [Vision Disorders](#)