

MIF Polyclonal Antibody

Catalog No :	YT2761
Reactivity :	Human;Mouse;Rat
Applications :	IF;WB;IHC;ELISA
Target :	MIF
Fields :	>>Tyrosine metabolism;>>Phenylalanine metabolism;>>Metabolic pathways
Gene Name :	MIF
Protein Name :	Macrophage migration inhibitory factor
Human Gene Id :	4282
Human Swiss Prot No :	P14174
Mouse Gene Id :	17319
Mouse Swiss Prot No :	P34884
Rat Gene Id :	81683
Rat Swiss Prot No :	P30904
Immunogen :	The antiserum was produced against synthesized peptide derived from human MIF. AA range:25-74
Specificity :	MIF Polyclonal Antibody detects endogenous levels of MIF protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IF 1:50-200 WB 1:500-2000, ELISA 1:10000-20000 IHC 1:50-300

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	12kD
Cell Pathway :	Tyrosine metabolism;Phenylalanine metabolism;
Background :	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, Jul 2008],
Function :	catalytic activity:Keto-phenylpyruvate = enol-phenylpyruvate.,disease:Genetic variations in MIF are associated with susceptibility to systemic juvenile rheumatoid arthritis [MIM:604302]. Systemic juvenile rheumatoid arthritis is juvenile chronic arthritis associated with severe, debilitating, extraarticular features, and occasionally fatal complications. Despite medical treatment, many children still experience early joint destruction, necessitating surgical replacement.,function:The expression of MIF at sites of inflammation suggest a role for the mediator in regulating the function of macrophage in host defense. Also acts as a phenylpyruvate tautomerase.,similarity:Belongs to the MIF family.,subunit:Homotrimer. Interacts with COPS5 and BNIPL.,
Subcellular Location :	Secreted . Cytoplasm . Does not have a cleavable signal sequence and is secreted via a specialized, non-classical pathway. Secreted by macrophages upon stimulation by bacterial lipopolysaccharide (LPS), or by M.tuberculosis antigens. .
Expression :	Brain,Lens,Liver,Lung,Platelet,Skin

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