

MIF Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-115 of human MIF (NP_0024061)
Form	liquid
Concentration	1.07 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 50% glycerol
Contains	0.01% thimerosal
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2805629

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunocytochemistry (ICC/IF)	1:100	-

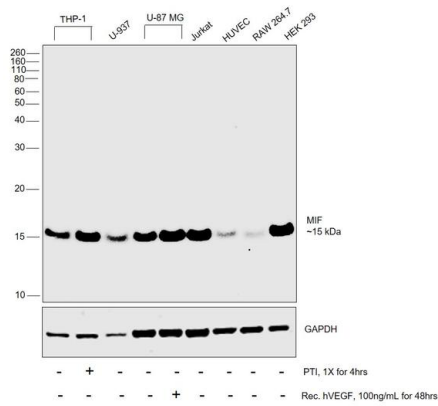
Product Specific Information

Immunogen sequence: MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC SLHSIGKIGG AQNRSYSKLL CGLLAERLRI SPDRVYINYY DMNAANVGWN NSTFA; Positive Samples: HL-60, THP-1, SW620, Mouse kidney, Mouse lung, Mouse heart; Cellular Location: Cytoplasm

Product Images For MIF Polyclonal Antibody

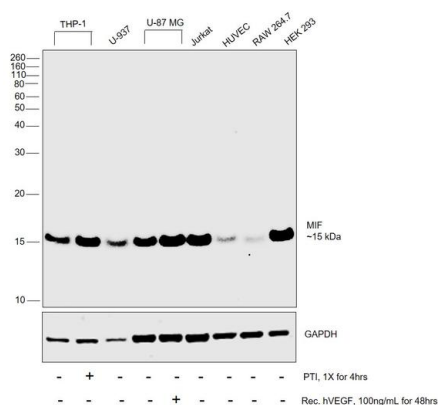
MIF Antibody (PA5-89525)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using MIF Polyclonal Antibody (Product # PA5-89525), shows increase in expression of MIF protein upon VEGF treatment in U-87 MG cell line. {TM}



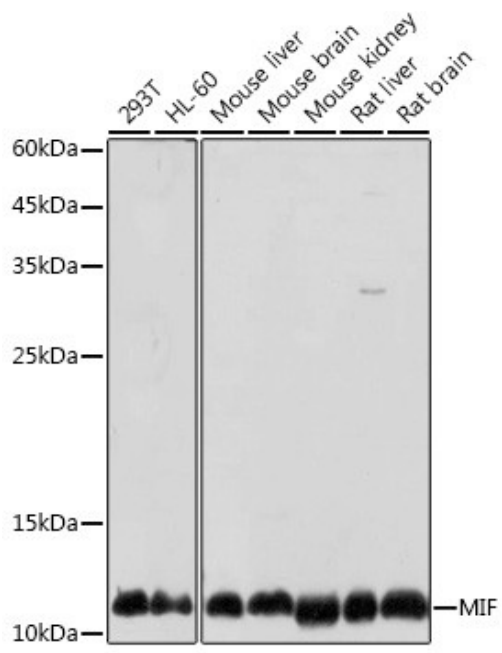
MIF Antibody (PA5-89525) in WB

Western Blot was performed using Anti-MIF Polyclonal Antibody (Product # PA5-89525) and a 15 kDa band corresponding to Macrophage migration inhibitory factor was observed across cell lines tested and was upregulated in U-87 MG upon VEGF treatment. Whole cell extracts (30 µg lysate) of THP-1 (Lane 1), THP-1 treated with PTI (1X, 4hrs) (Lane 2), U-937 (Lane 3), U-87 MG (Lane 4), U-87 MG treated with Rec. hVEGF (100 ng/mL, 48hrs) (Lane 5), Jurkat (Lane 6), HUVEC (Lane 7), RAW 264.7 (Lane 8), HEK-293 (Lane 9) were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel (Product # NP0342BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23002) by iBlot® 2 Dry Blotting System (Product # IB21001). The Blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:6000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



MIF Antibody (PA5-89525) in WB

Western blot analysis of MIF in extracts of various cell lines. Samples were incubated with MIF Polyclonal antibody (Product # PA5-89525) using a dilution of 1:1,000, followed by HRP Goat Anti-Rabbit IgG (H+L) at a dilution of 1:10,000. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



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