Product Datasheet

MIF Antibody
NB100-1789

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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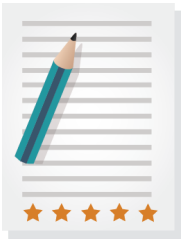


NB100-1789

MIF Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

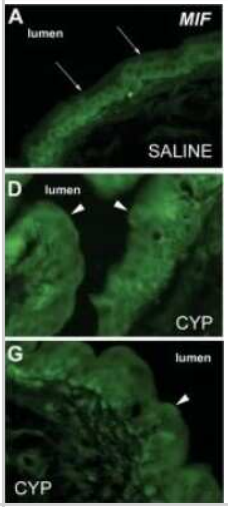
Product Description	
Host	Goat
Gene ID	4282
Gene Symbol	MIF
Species	Human, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 19066630).
Immunogen	Peptide with sequence C-NAANVGWNNSTFA corresponding to C-Terminus according to NP_002406.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.01 - 0.03 ug/mL, Immunohistochemistry, Immunohistochemistry-Paraffin 5 ug/mL, Peptide ELISA 1:128000

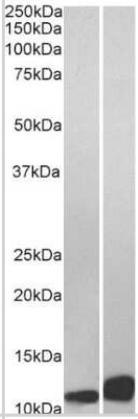
Images

Western Blot: MIF Antibody [NB100-1789] - Staining of Human Thymus lysate (35 ug protein in RIPA buffer). Antibody at 0.01 ug/mL. Detected by chemiluminescence.

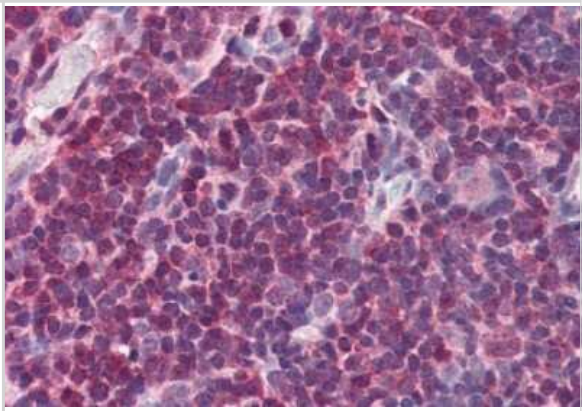
Immunohistochemistry: MIF Antibody [NB100-1789] - Co-localization of CXCR4 and MIF in urothelium. Sections from rats treated with saline or CYP are shown. MIF immunostaining (green immunofluorescence), CXCR4 immunostaining (red immunofluorescence) and an overlay panel combining both immunostaining and a DAPI nuclear stain. MIF immunostaining is seen in basal and intermediate cells and in fibroblasts in the lamina propria of saline treated rats, while superficial cells do not stain for MIF. Arrows show luminal edge of urothelium. CXCR4 is restricted to basal and intermediate cells of urothelium. CYP treatment resulted in superficial cell staining for MIF and CXCR4 and overlay panels demonstrate co-localization as orange color in urothelial cells. Arrows point to superficial cells showing MIF-CXCR4 co-localization. Calibration bar=50 um. Image collected and cropped by CiteAb from the following publication (//dx.plos.org/10.1371/journal.pone.0003898) licensed under a CC-BY license.



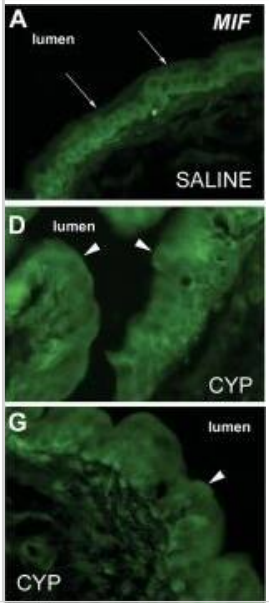
Western Blot: MIF Antibody [NB100-1789] - Staining of Daudi (A) and Jurkat (B) lysate (35 ug protein in RIPA buffer). Antibody at 0.01 ug/mL. Detected by chemiluminescence.



Immunohistochemistry-Paraffin: MIF Antibody [NB100-1789] - Staining of paraffin embedded Human Thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. Antibody at 5 ug/mL.



Immunocytochemistry/ Immunofluorescence: MIF Antibody [NB100-1789] - Co-localization of CXCR4 & MIF in urothelium.Representative sections from rats treated with saline (A–C) or CYP (D–I) are shown. The figure shows MIF immunostaining (green immunofluorescence), CXCR4 immunostaining (red immunofluorescence) & an overlay panel combining both immunostaining & a DAPI nuclear stain. MIF immunostaining is seen in basal & intermediate cells & in fibroblasts in the lamina propria of saline treated rats (A), while superficial cells do not stain for MIF. Arrows show luminal edge of urothelium. CXCR4 is restricted to basal & intermediate cells of urothelium (B) & lamina propria is not stained. Overlay of these panels (C) demonstrate co-localization of MIF & CXCR4 as orange coloring of cells. CYP treatment resulted in superficial cell staining for MIF (D,G) & CXCR4 (E,H) & overlay panels (F,I) demonstrate co-localization as orange color in urothelial cells. Arrows point to superficial cells showing MIF-CXCR4 co-localization. Calibration bar=50 µm. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/19066630), licensed under a CC0-1.0 license. Not internally tested by Novus Biologicals.



Publications

Church TS, Willis MS, Priest EL et al. Obesity, macrophage migration inhibitory factor, and weight loss. Int J Obes Relat Metab Disord 2005-03-29 [PMID: 15795748]

Vera PL, Iczkowski KA, Wang X, Meyer-Siegler KL. Cyclophosphamide-induced cystitis increases bladder CXCR4 expression and CXCR4-macrophage migration inhibitory factor association. PLoS One 2008-01-01 [PMID: 19066630] (Rat)

Hsieh, Y et al. CELL CYCLE, CELL DEATH, SENESCENCE: Hepatitis B Virus Pre-S2 Mutant Surface Antigen Induces Degradation of Cyclin-Dependent Kinase Inhibitor p27Kip1 through c-Jun Activation Domain-Binding Protein 1. Mol Cancer Res 6:1063-1072. [PMID: 17951406]

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Products Related to NB100-1789

NB820-59242	Human Lymph Node Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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