

Product Datasheet

MIF Antibody - BSA Free NBP1-81832

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-81832

MIF Antibody - BSA Free

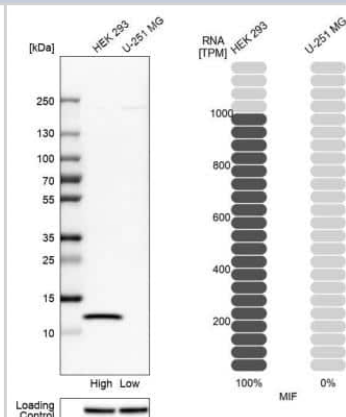
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	4282
Gene Symbol	MIF
Species	Human, Mouse, Rat, Hamster
Reactivity Notes	Hamster reactivity reported in scientific literature (PMID: 31664114).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: FIVNTNVPRASVPDGFLSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEP CALCSLHSIGKIGGAQNRYSKLLCGLLAERLRISPDRVYINYDMNAANVGWN N

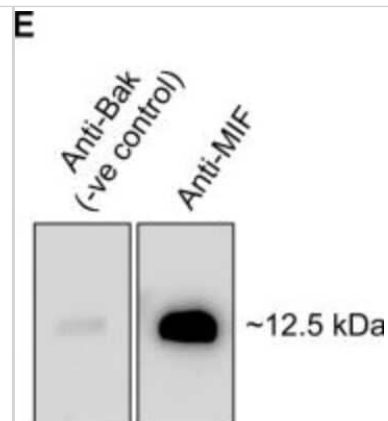
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:2500 - 1:5000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:2500 - 1:5000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

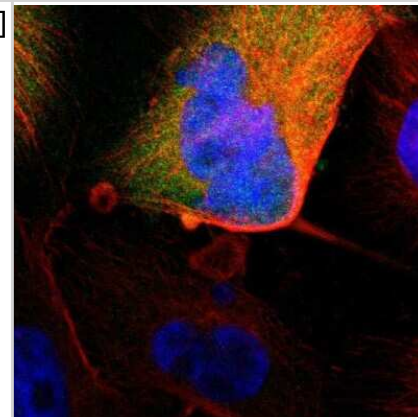
Western Blot: MIF Antibody [NBP1-81832] - Analysis in human cell lines HEK293 and U-251MG using Anti-MIF antibody. Corresponding MIF RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1



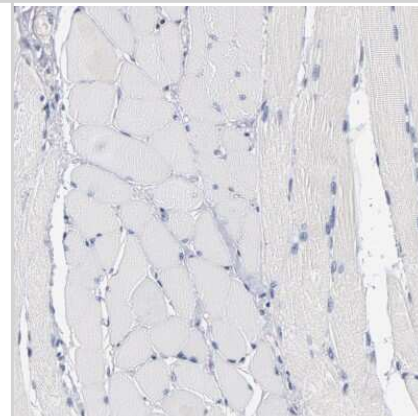
Western Blot: MIF Antibody [NBP1-81832] - Expression and purification of MaMIF. Western blot analysis with isotype-matched primary antibody shows the background level of antibody binding to the protein. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-019-51947-7>), licensed under a CC-BY license.



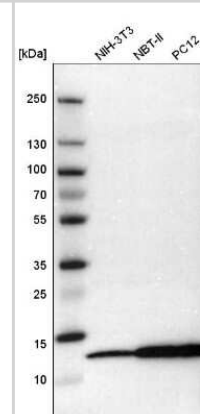
Immunocytochemistry/Immunofluorescence: MIF Antibody [NBP1-81832] - Staining of human cell line U-251 MG shows localization to cytosol. Antibody staining is shown in green.



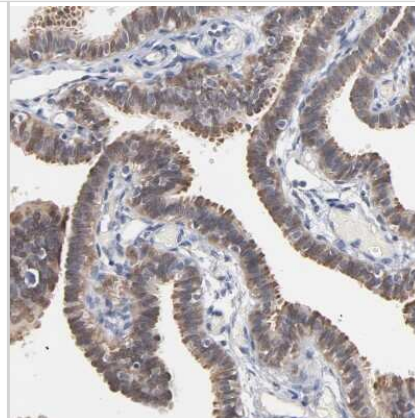
Immunohistochemistry-Paraffin: MIF Antibody [NBP1-81832] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



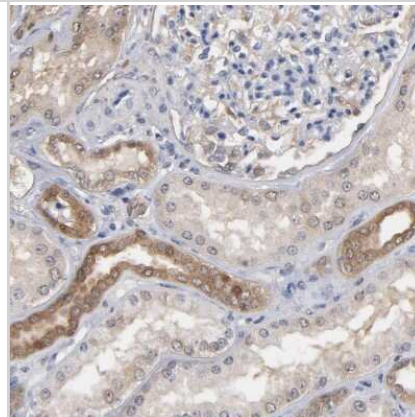
Western Blot: MIF Antibody [NBP1-81832] - Western blot analysis in mouse cell line NIH-3T3, rat cell line NBT-II and rat cell line pC12.



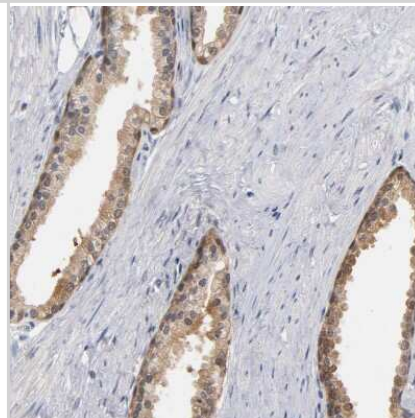
Immunohistochemistry-Paraffin: MIF Antibody [NBP1-81832] - Staining of human fallopian tube shows strong cytoplasmic positivity in glandular cells.



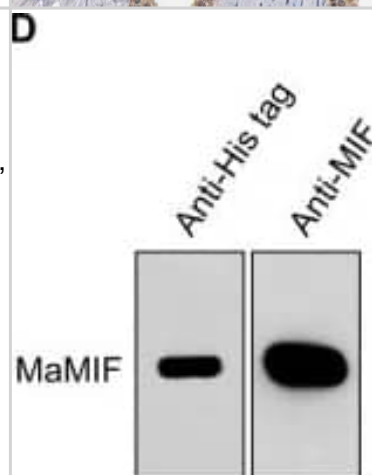
Immunohistochemistry-Paraffin: MIF Antibody [NBP1-81832] - Staining of human kidney moderate cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: MIF Antibody [NBP1-81832] - Staining of human prostate shows moderate cytoplasmic positivity in glandular cells.



Western Blot: MIF Antibody [NBP1-81832] - Expression & purification of MaMIF. (A) SDS-PAGE analysis of purified MaMIF suggesting an approximate molecular mass of ~12.5 kDa for the monomer. (B) Superdex 75 10/300 GL analytical size-exclusion chromatography profile of MaMIF suggesting an apparent molecular mass of ~39 kDa in solution, corresponding to the size of a trimeric form. (C) CD spectrum of MaMIF confirming a properly folded protein. The pie chart in the inset shows the secondary structure make-up of the protein. (D) Western blot analysis with polyclonal anti-His & anti-MIF antibodies confirming the expressed protein to be MaMIF. (E) Western blot analysis with isotype-matched primary antibody shows the background level of antibody binding to the protein. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31664114>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Suresh V, Dash P, Suklabaidya S et al. MIF confers survival advantage to pancreatic CAFs by suppressing interferon pathway-induced p53-dependent apoptosis FASEB journal : official publication of the Federation of American Societies for Experimental Biology 2022-08-01 [PMID: 35839070]

Suresh V, Sundaram R, Dash P et al. Macrophage migration inhibitory factor of Syrian golden hamster shares structural and functional similarity with human counterpart and promotes pancreatic cancer Sci Rep 2019-10-29 [PMID: 31664114] (WB, Hamster)

Polajeva J, Bergstrom T, Edqvist PH et al. Glioma-derived macrophage migration inhibitory factor (MIF) promotes mast cell recruitment in a STAT5-dependent manner. Mol Oncol 2014-02-01 [PMID: 24091309]

Ma Y, Visser L, Roelofsen H et al. Proteomics analysis of Hodgkin lymphoma: identification of new players involved in the cross-talk between HRS cells and infiltrating lymphocytes. Blood 2008-02-01 [PMID: 18070985]





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-81832

NBP1-81832PEP	MIF Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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