

# Product Datasheet

## Mkl1 Antibody - BSA Free NBP1-88498

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
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**NBP1-88498**

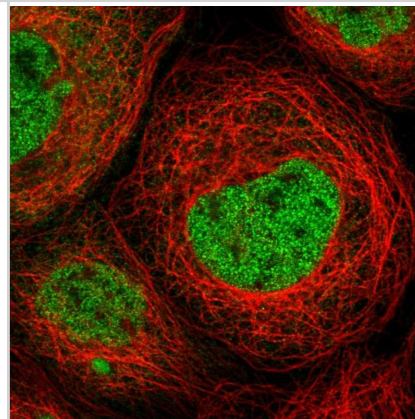
Mkl1 Antibody - BSA Free

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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit Mkl1 Antibody - BSA Free (NBP1-88498) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Mkl1 Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	57591
Gene Symbol	MRTFA
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in the scientific literature (PMID: 26165921)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: EQEKRAQQPAPAPAPLGTPVKQENSFSSCQLSQQPLGPAHPFNPSLAAPATN HIDPCAVAPGPPSVVVKQEALQPEPEPVPAPQLLLGPQGPSLIKGVAPPTLITD STGTHLVLTVTNKNADSPG
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

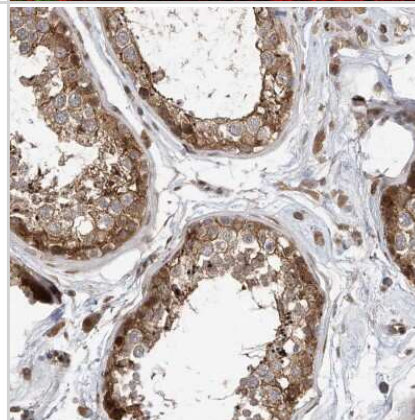


## Images

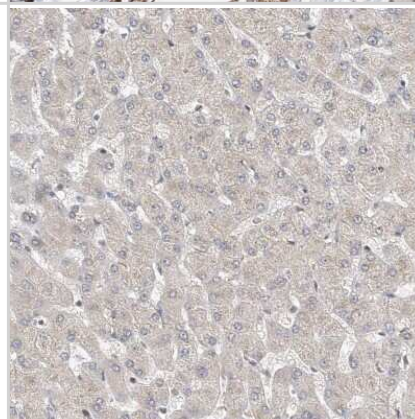
Staining of human cell line A-431 shows localization to nucleoplasm.



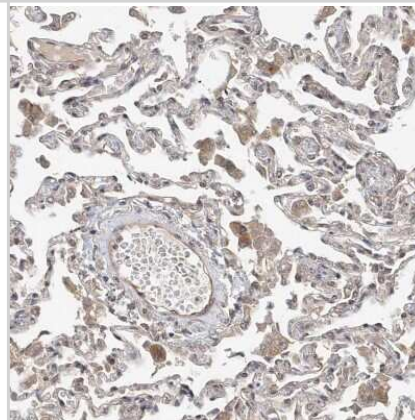
Immunohistochemistry-Paraffin: Mkl1 Antibody [NBP1-88498] - Staining of human testis shows positivity in cells in seminiferous ducts.



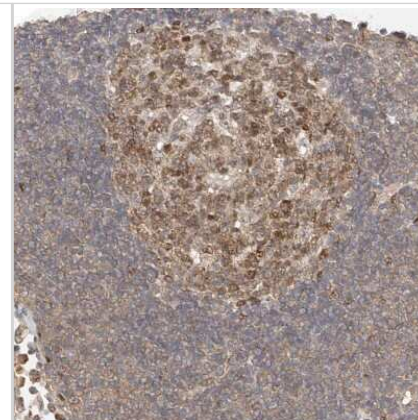
Immunohistochemistry-Paraffin: Mkl1 Antibody [NBP1-88498] - Staining of human liver shows very weak positivity in hepatocytes.



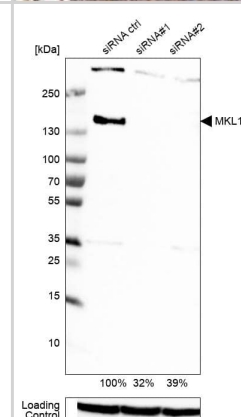
Immunohistochemistry-Paraffin: Mkl1 Antibody [NBP1-88498] - Staining of human lung shows moderate cytoplasmic positivity in macrophages.



Immunohistochemistry-Paraffin: Mkl1 Antibody [NBP1-88498] - Staining of human lymph node shows moderate positivity in lymphoid cells.



Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-MKL1 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



## Publications

Paredes F, Williams HC, Quintana RA, San Martin A. Mitochondrial Protein Poldip2 (Polymerase Delta Interacting Protein 2) Controls Vascular Smooth Muscle Differentiated Phenotype by O-Linked GlcNAc (N-Acetylglucosamine) Transferase-Dependent Inhibition of a Ubiquitin Proteasome System Circulation Research 2020-01-03 [PMID: 31656131]

Paredes, F;Williams, HC;Liu, X;Holden, C;Bogan, B;Wang, Y;Crotty, KM;Yeligar, SM;Elorza, AA;Lin, Z;Rezvan, A;San Martin, A; The mitochondrial protease ClpP is a druggable target that controls VSMC phenotype by a SIRT1-dependent mechanism Redox biology 2024-05-21 [PMID: 38823208]

Yao CD, Haensel D, Gaddam S et al. AP-1 and TGF beta cooperativity drives non-canonical Hedgehog signaling in resistant basal cell carcinoma Nat Commun 2020-10-08 [PMID: 33033234] (IF/IHC, Human, Mouse)

Whitson RJ, Lee A, Urman NM, Mirza A. Noncanonical hedgehog pathway activation through SRF-MKL1 promotes drug resistance in basal cell carcinomas. Nat. Med. 2018-02-05 [PMID: 29400712] (WB, Human)

Record J, Malinova D, Zenner HL et al. Immunodeficiency and severe susceptibility to bacterial infection associated with a loss-of-function homozygous mutation of MKL1. Blood 2015-09-24 [PMID: 26224645] (WB, Human)

Gjorevski N, S. Piotrowski A, Varner VD, Nelson CM. Dynamic tensile forces drive collective cell migration through three-dimensional extracellular matrices. Sci Rep 2015-07-13 [PMID: 26165921] (ICC/IF, Mouse)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. Nat Methods 2013-04-01 [PMID: 23435261]

Schmidt LJ, Duncan K, Yadav N et al. RhoA as a mediator of clinically relevant androgen action in prostate cancer cells. Mol Endocrinol. 2012-05-01 [PMID: 22456196] (WB, Human)

Muehlich S, Hampl V, Khalid S et al. The transcriptional coactivators megakaryoblastic leukemia 1/2 mediate the effects of loss of the tumor suppressor deleted in liver cancer 1. Oncogene 2012-08-30 [PMID: 22139079]



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### **Products Related to NBP1-88498**

NBP1-88498PEP	Mkl1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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