

# Product Datasheet

## Mena Antibody - BSA Free NBP1-87914

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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### Publications: 7

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Updated 12/2/2025 v.20.1

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**NBP1-87914**

Mena Antibody - BSA Free

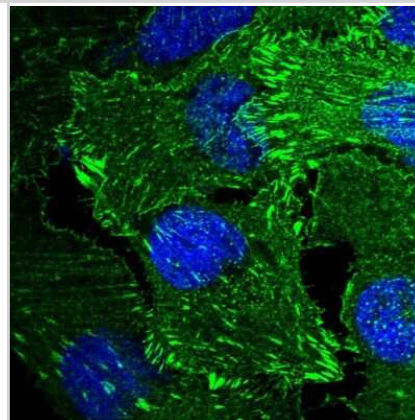
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal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

Product Description	
<b>Description</b>	Novus Biologicals Rabbit Mena Antibody - BSA Free (NBP1-87914) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Mena Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	55740
<b>Gene Symbol</b>	ENAH
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: RQERQERERLERLERERERQERERERQEQLEREQLEWERERRISSAAAPASVETPL NSVLGDSSASEPGLQAASQPAETPSQQGIVLGLAPPPP

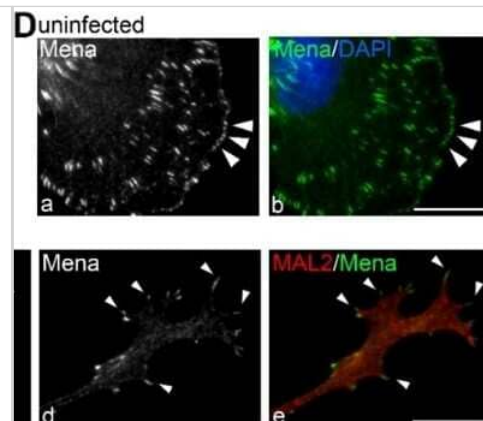
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200-1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

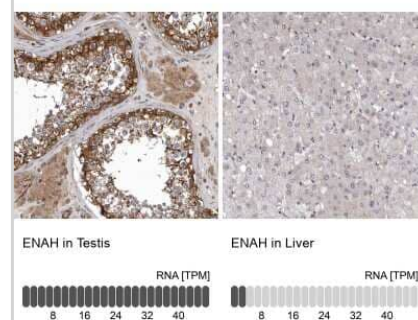
Immunocytochemistry/Immunofluorescence: Mena Antibody [NBP1-87914] - Staining of human cell line U-2 OS shows localization to plasma membrane, cytosol and focal adhesion sites. Antibody staining is shown in green.



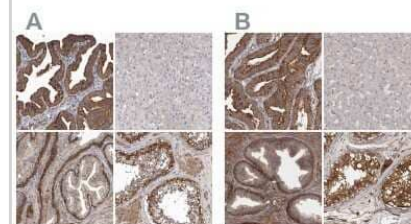
Mena-Antibody-Immunocytochemistry-Immunofluorescence-NBP1-87914-img0026.jpg



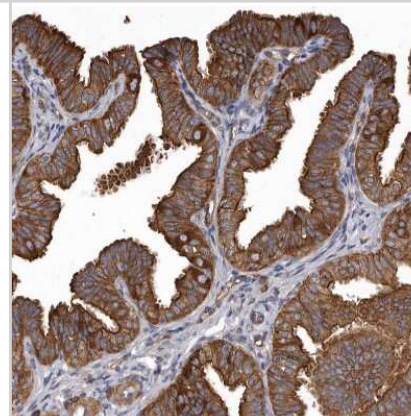
Immunohistochemistry-Paraffin: Mena Antibody [NBP1-87914] - Analysis in human testis and liver tissues. Corresponding ENAH RNA-seq data are presented for the same tissues.



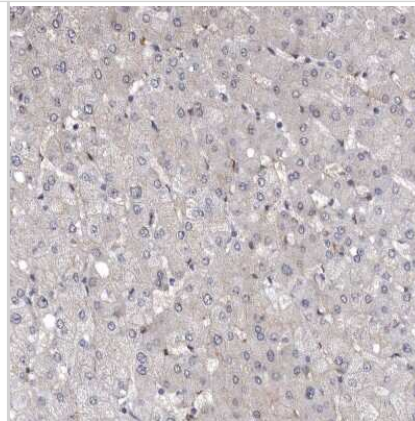
Immunohistochemistry-Paraffin: Mena Antibody [NBP1-87914] - Staining of human fallopian tube, liver, prostate and testis using Anti-ENAH antibody (A) NBP1-87914 shows similar protein distribution across tissues to independent antibody NBP1-87915 (B).



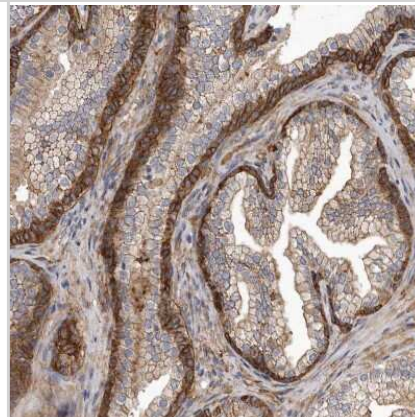
Immunohistochemistry-Paraffin: Mena Antibody [NBP1-87914] - Staining of human Fallopian tube shows strong cytoplasmic and membranous positivity in glandular cells.



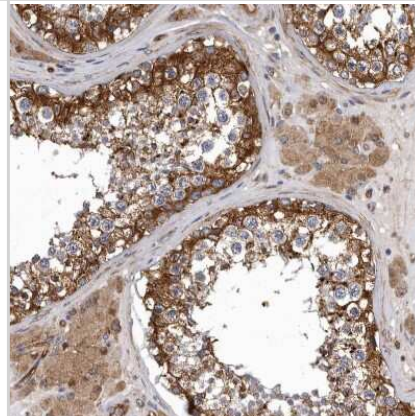
Immunohistochemistry-Paraffin: Mena Antibody [NBP1-87914] - Staining of human liver shows low positivity in hepatocytes as expected.



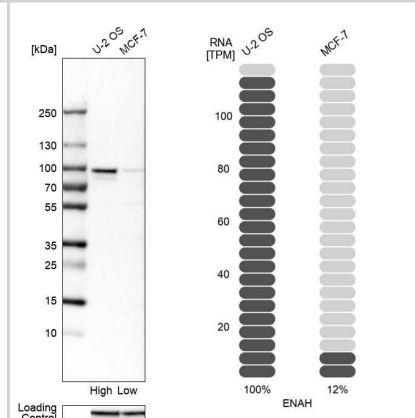
Immunohistochemistry-Paraffin: Mena Antibody [NBP1-87914] - Staining of human prostate shows moderate to strong cytoplasmic and membranous positivity in glandular cells and smooth muscle cells.



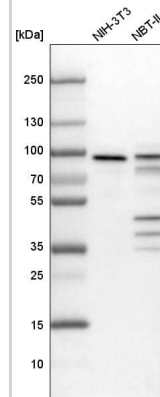
Immunohistochemistry-Paraffin: Mena Antibody [NBP1-87914] - Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts.



Analysis in human cell lines U2OS and MCF-7 using Anti-ENAH antibody. Corresponding ENAH RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.

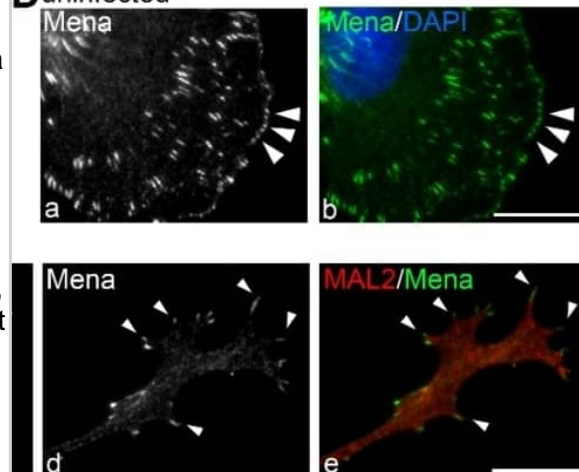


Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



MAL2 overexpression disrupts invadopodia formation. (A) Lysates from uninfected Clone 9 cells and Clone 9 cells expressing wild type (WT) MAL2 were immunoblotted for Tks5, Mena, VASP, FAK and tubulin (as a loading control) as indicated. Molecular weight standards are indicated on the left in kDa. (B) Uninfected Clone 9 cells and Clone 9 cells expressing wild type MAL2 were immunolabeled for Tks5 or Mena as indicated. Arrowheads in panels a and b mark Tks5 and Mena present in juxta-nuclear invadopodia that are absent in cells expressing MAL2. (C) Uninfected and MAL2-expressing cells were seeded onto 96-well plates at 4000 cells/well and relative cell numbers monitored after 1 ( $p \leq 0.006$ ), 2 ( $p \leq 0.006$ ) or 3 days. Values represent the mean  $\pm$  SEM from at least three independent experiments each performed in triplicate. (D) Uninfected Clone 9 cells were labeled for Mena. Arrowheads mark Mena present at the surface in patches. (E) Clone 9 cells expressing wild type MAL2 were immunolabeled for Mena and MAL2 as indicated. Arrowheads mark Mena present at the far distal tips of protrusions induced by MAL2 expression. Bar = 10  $\mu$ m. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/32059473>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

**D** uninfected



## Publications

Duran, CL;Surve, CR;Ye, X;Chen, X;Lin, Y;Harney, AS;Wang, Y;Sharma, VP;Stanley, ER;Cox, D;McAuliffe, JC;Entenberg, D;Oktay, MH;Condeelis, JS; Targeting CSF-1 signaling between tumor cells and macrophages at TMEM doorways inhibits breast cancer dissemination *Oncogene* 2025-07-11 [PMID: 40646332]

Indra I, Troyanovsky RB, Shapiro L et al. Sensing Actin Dynamics through Adherens Junctions *Cell Rep* 2020-02-25 [PMID: 32101754] (Human)

Details:

A431 cell line

Mishra VS, Kumar N, Raza M, Sehrawat S Amalgamation of PI3K and EZH2 blockade synergistically regulates invasion and angiogenesis: combination therapy for glioblastoma multiforme *Oncotarget* 2020-12-22 [PMID: 33473259] (WB, ICC/IF, Human)

LOpez-Coral A, Del Vecchio GJ, Chahine JJ et al. MAL2-Induced Actin-Based Protrusion Formation is Anti-Oncogenic in Hepatocellular Carcinoma Cancers (Basel) 2020-02-12 [PMID: 32059473] (WB, IF/IHC, Human)

kumar N, Prasad P, Jash E et al. cAMP Regulated EPAC1 Supports Microvascular Density, Angiogenic and Metastatic Properties in a Model of Triple Negative Breast Cancer. *Carcinogenesis*. 2018-07-05 [PMID: 29982410] (WB, Human)

Harney AS, Karagiannis GS, Pignatelli J et al. The selective Tie2 inhibitor rebastinib blocks recruitment and function of Tie2Hi macrophages in breast cancer and pancreatic neuroendocrine tumors *Mol. Cancer Ther.* 2017-08-24 [PMID: 28838996] (Mouse)

Weidmann MD, Surve CR, Eddy RJ et al. Mena(INV) dysregulates cortactin phosphorylation to promote invadopodium maturation. *Sci Rep.* 2016-11-08 [PMID: 27824079] (Human)





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### Products Related to NBP1-87914

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NBP1-87914PEP	Mena 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

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### 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.

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