

# Product Datasheet

## Myoferlin Antibody - BSA Free NBP1-84694

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: 3

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Updated 12/2/2025 v.20.1

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**NBP1-84694**

Myoferlin 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

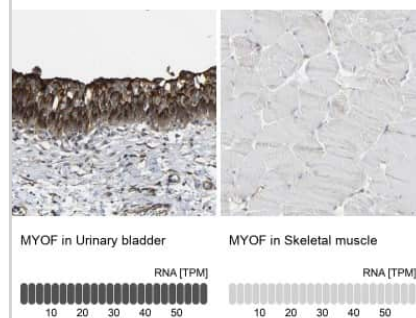
Product Description	
<b>Description</b>	Novus Biologicals Rabbit Myoferlin Antibody - BSA Free (NBP1-84694) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-Myoferlin Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	26509
<b>Gene Symbol</b>	MYOF
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (82%).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: TIDLVIGYDPPSAPHPNDLSGSPVPGMGGDGEDEGDEDRLDNAVRGPGPKG PVGTVSEAQLARRLTKVKNSRRMLS NKPQDFQIRVRVIEGRQLSGNNIRPVV

Product Application Details	
<b>Applications</b>	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Simple Western 1:20, 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.  See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in RT-4 and NIH-3T3, separated by Size, antibody dilution of 1:20, apparent MW was 220 kDa

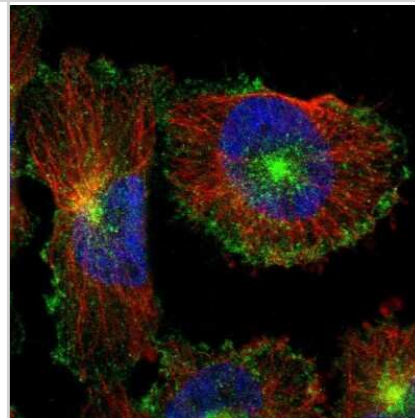


## Images

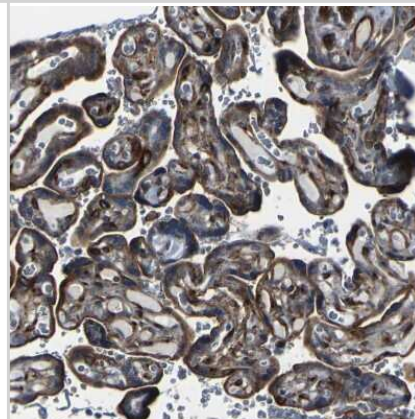
Immunohistochemistry-Paraffin: Myoferlin Antibody [NBP1-84694] - Staining in human urinary bladder and skeletal muscle tissues using NBP1-84694 antibody. Corresponding MYOF RNA-seq data are presented for the same tissues.



Immunocytochemistry/Immunofluorescence: Myoferlin Antibody [NBP1-84694] - Staining of human cell line U-251 MG shows localization to plasma membrane & vesicles. Antibody staining is shown in green.



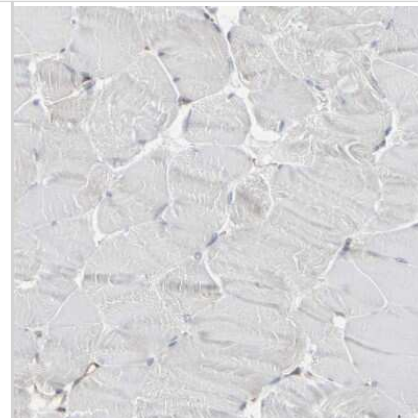
Immunohistochemistry-Paraffin: Myoferlin Antibody [NBP1-84694] - Staining of human placenta shows moderate to strong membranous positivity in trophoblastic cells.



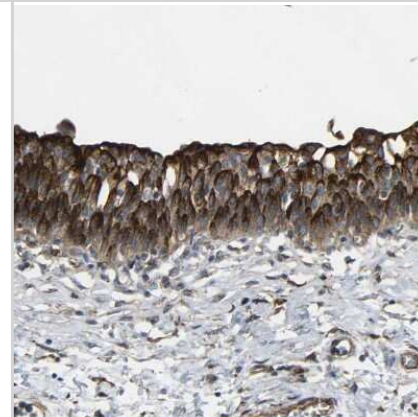
Immunohistochemistry-Paraffin: Myoferlin Antibody [NBP1-84694] - Staining of human prostate shows moderate to strong membranous positivity in glandular cells.



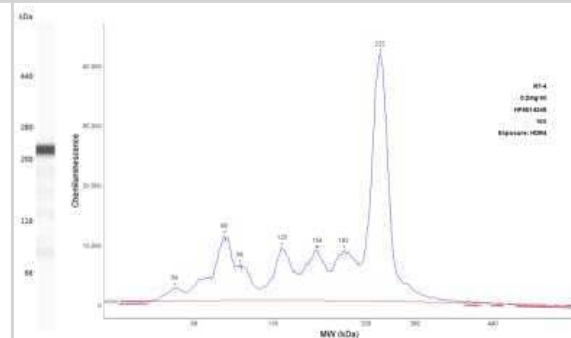
Immunohistochemistry-Paraffin: Myoferlin Antibody [NBP1-84694] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



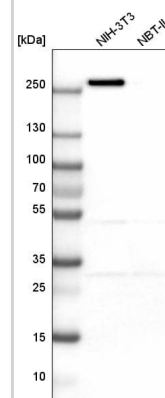
Immunohistochemistry-Paraffin: Myoferlin Antibody [NBP1-84694] - Staining of human urinary bladder shows strong membranous positivity in urothelial cells.



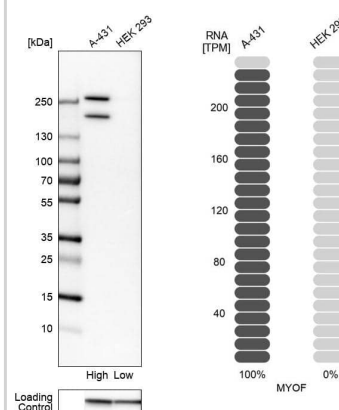
Simple Western: Myoferlin Antibody [NBP1-84694] - Lane view shows a specific band for Myoferlin using 200 ug/mL of RT4 cell lysate and 4 ug/mL antibody dilution. Electropherogram image of corresponding Simple Western lane view at WES molecular weight of 222 kDa. Image from an internal validation.



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



Analysis in human cell lines A-431 and HEK293 using Anti-MYOF antibody. Corresponding MYOF RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.



## Publications

Becker J, Schleinitz A, Hermsen C et al. Rab GTPase-regulated phagosome-lysosome fusion is bypassed by micromolar calcium *Journal of cell science* 2023-04-19 [PMID: 37073598]

Volakis LI, Li R, Ackerman WE IV et al. Loss of Myoferlin Redirects Breast Cancer Cell Motility towards Collective Migration. *PLoS One* 2014-01-01 [PMID: 24586247]

Lindgren D, Bostrom AK, Nilsson K et al. Isolation and characterization of progenitor-like cells from human renal proximal tubules. *Am J Pathol* 2011-02-01 [PMID: 21281815]



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### **Products Related to NBP1-84694**

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NBP1-84694PEP	Myoferlin 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.

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

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