

Product Datasheet

Myoferlin Antibody 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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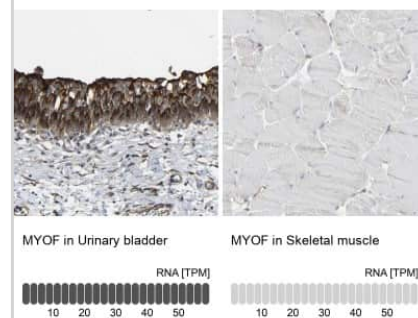
NBP1-84694

Myoferlin Antibody

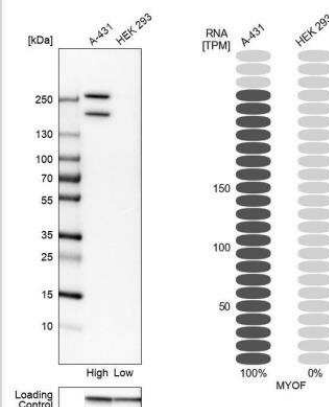
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	26509
Gene Symbol	MYOF
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (82%). Reactivity reported in scientific literature (PMID: 24586247)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: TIDLVIGYDPPSAPHPNDLSGPSVPGMGGDGEEDGDEDRLDNAVRGPGPKG PVGTVSEAQLARRLTKVKNSRRMLSNKPQDFQIRVRVIEGRQLSGNNIRPVV
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	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
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. In Simple Western reported by internal validation.

Images

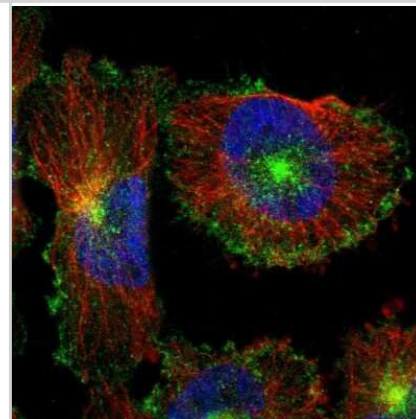
Immunohistochemistry-Paraffin: Myoferlin Antibody [NBP1-84694] - Staining in human urinary bladder and skeletal muscle tissues using NBP1-84694 antibody. Corresponding MYOF RNA-seq data are presented for the same tissues.



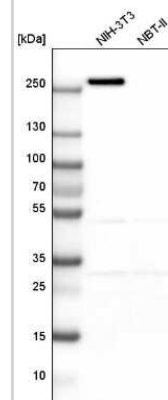
Western Blot: Myoferlin Antibody [NBP1-84694] - Analysis in human cell lines A-431 and HEK293 using Anti-MYOF antibody. Corresponding MYOF RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.



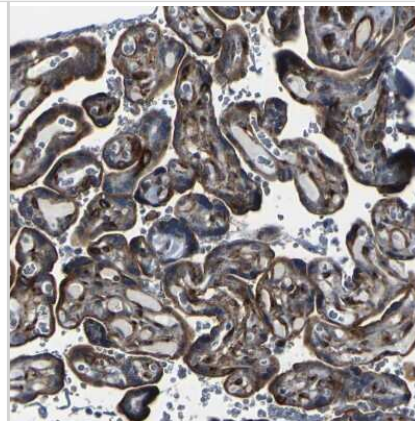
Immunocytochemistry/Immunofluorescence: Myoferlin Antibody [NBP1-84694] - Staining of human cell line U-251 MG shows localization to plasma membrane & vesicles. Antibody staining is shown in green.



Western Blot: Myoferlin Antibody [NBP1-84694] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



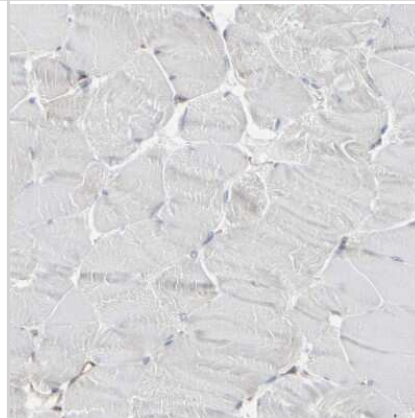
Immunohistochemistry-Paraffin: Myoferlin Antibody [NBP1-84694] - Staining of human placenta shows moderate to strong membranous positivity in trophoblastic cells.



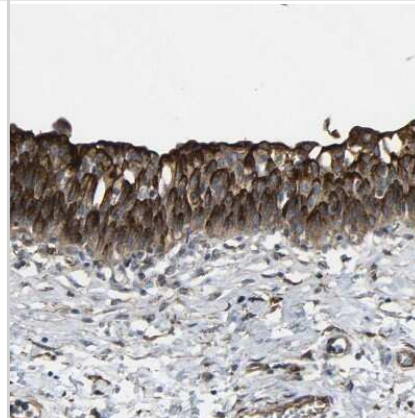
Immunohistochemistry-Paraffin: Myoferlin Antibody [NBP1-84694] - Staining of human prostate shows moderate to strong membranous positivity in glandular cells.



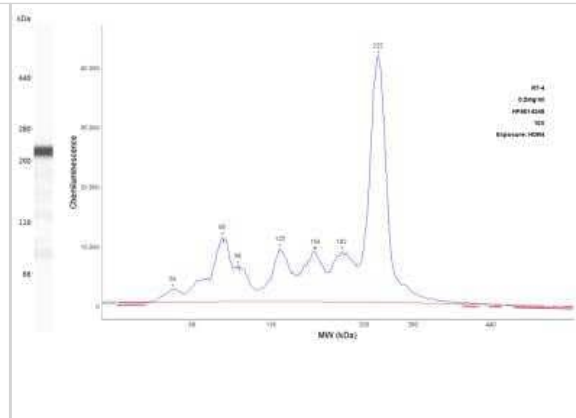
Immunohistochemistry-Paraffin: Myoferlin Antibody [NBP1-84694] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



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.



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

NBP1-84694PEP	Myoferlin 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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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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