

Product Datasheet

FLNC Antibody - BSA Free NBP1-89300

Unit Size: 0.1 ml

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

www.novusbio.com



technical@novusbio.com

Reviews: 1 Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-89300

Updated 3/4/2026 v.20.1

**Earn rewards for product
reviews and publications.**

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP1-89300



NBP1-89300

FLNC Antibody - BSA Free

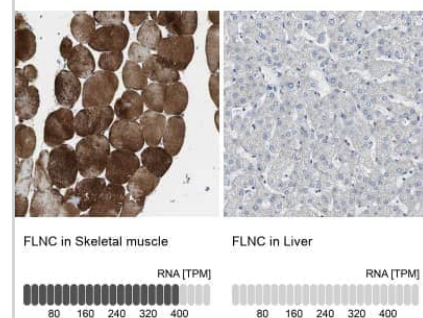
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	2318
Gene Symbol	FLNC
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: HSLHETSTVLVETVTKSSSSRGSSYSSIPKFSSDASKVVTRGPGLSQAQAFVGQK NSFTVDCSKAGTNMMMVGVHGPKTPCEEVYVKHMGNRVYNVTYTVKEKGDY

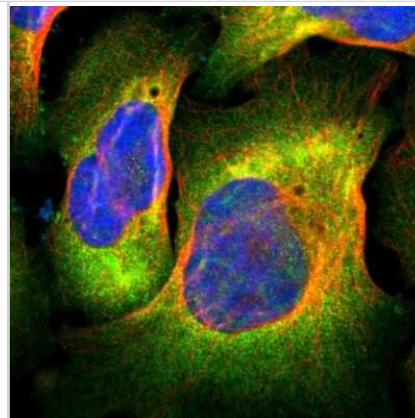
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 33202721)., Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/Immunofluorescence 0.25 - 2 ug/mL, Immunohistochemistry-Paraffin 1:200 - 1:500, Immunohistochemistry-Frozen Validated from a verified customer review.
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

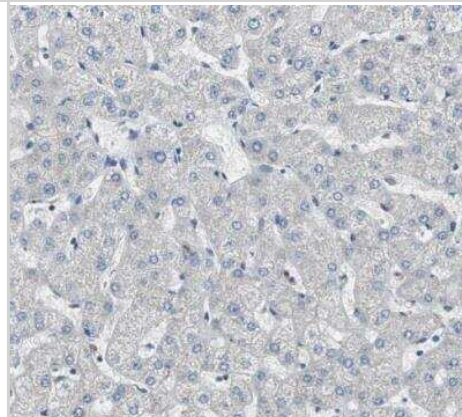
Immunohistochemistry-Paraffin: FLNC Antibody [NBP1-89300] - Analysis in human skeletal muscle and liver tissues. Corresponding FLNC RNA-seq data are presented for the same tissues.



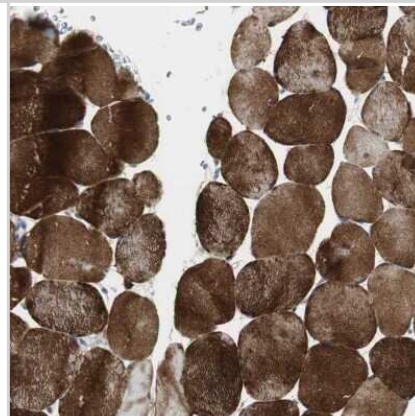
Immunocytochemistry/Immunofluorescence: FLNC Antibody [NBP1-89300] - Staining of human cell line U-2 OS shows localization to plasma membrane and cytosol. Antibody staining shown in green.



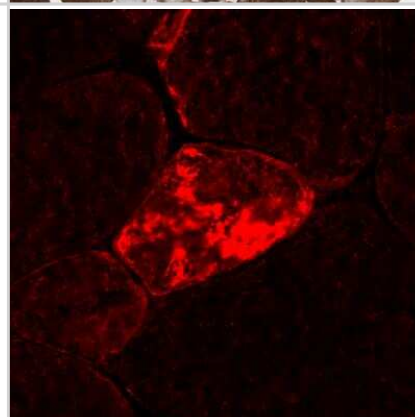
Immunohistochemistry-Paraffin: FLNC Antibody [NBP1-89300] - Staining of human liver shows no positivity in hepatocytes as expected.



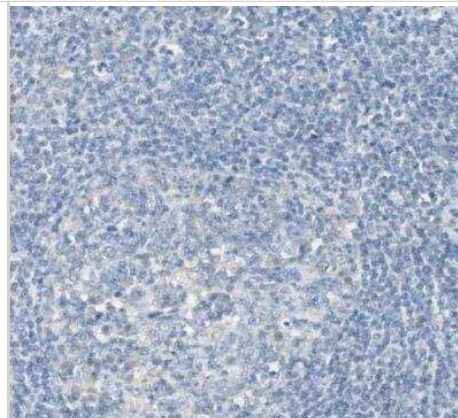
Immunohistochemistry-Paraffin: FLNC Antibody [NBP1-89300] - Staining of human skeletal muscle shows high expression.



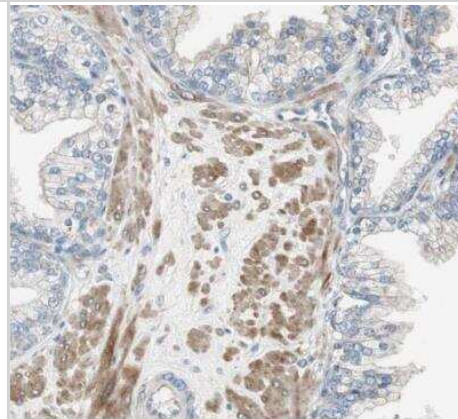
Immunohistochemistry-Frozen: FLNC Antibody [NBP1-89300] - Mouse muscle vasus transverse cryosection stained with Filamin C antibody (NBP1-89300). IHC-Fr image submitted by a verified customer review.



Immunohistochemistry-Paraffin: FLNC Antibody [NBP1-89300] - Staining of human tonsil shows no positivity in non-germinal center cells as expected.



Immunohistochemistry-Paraffin: FLNC Antibody [NBP1-89300] - Staining of human prostate shows moderate cytoplasmic positivity in smooth muscle cells.



Publications

Wu T, Xu Y, Zhang L et al. Filamin C is Essential for mammalian myocardial integrity PLOS Genetics 2023-01-27 [PMID: 36706168] (Immunohistochemistry-Paraffin, Human)

Marion Onnée, Audrey Bénézit, Sultan Bastu, Aleksandra Nadaj-Pakleza, Béatrice Lannes, Flavie Ader, Corinne Thèze, Pascal Cintas, Claude Cancès, Robert-Yves Carlier, Corinne Metay, Mireille Cossée, Edoardo Malfatti, Paul Rösch The FLNC Ala1186Val Variant Linked to Cytoplasmic Body Myopathy and Cardiomyopathy Causes Protein Instability Biomedicines 2024-01-30 [PMID: 38397924]

Yerra VG, Batchu SN, Kaur H et al. Pressure overload induces ISG15 to facilitate adverse ventricular remodeling and promote heart failure The Journal of clinical investigation 2023-05-01 [PMID: 37115698] (WB, IHC-P, Mouse)

Knyazeva A, Khudiakov A, Vaz R et al. FLNC Expression Level Influences the Activity of TEAD-YAP/TAZ Signaling Nat Commun 2020-11-13 [PMID: 33202721] (WB, Human, Mouse)

Robertson R, Conte TC, Dicaire MJ et al. BAG3P215L/KO Mice as a Model of BAG3P209L Myofibrillar Myopathy Am. J. Pathol. 2020-01-14 [PMID: 31953038]

Kiselev A, Vaz R, Knyazeva A et al. De novo mutations in FLNC leading to early-onset restrictive cardiomyopathy and congenital myopathy Hum. Mutat. 2018-06-01 [PMID: 29858533] (Human)

Wu T, Mu Y, Bogomolovas J et al. HSPB7 is indispensable for heart development by modulating actin filament assembly. Proc. Natl. Acad. Sci. U.S.A. 2017-10-23 [PMID: 29078393] (Mouse)

Reinstein E, Gutierrez-Fernandez A, Tzur S et al. Congenital dilated cardiomyopathy caused by biallelic mutations in Filamin C. Eur. J. Hum. Genet. 2016-09-07 [PMID: 27601210] (IHC-P)

Valdes-Mas R, Gutierrez-Fernandez A, Gomez J et al. Mutations in filamin C cause a new form of familial hypertrophic cardiomyopathy Nat Commun et al. 2014-10-29 [PMID: 25351925] (IHC-P, Human)

Details:

FLnC/Filamin C antibody used for IHC-P on heart tissue sections from human control subjects and three hypertrophic cardiomyopathy patient - one caused by a mutation in MYH7, and two without mutations in sarcomeric genes or FLnC, revealed large nuclei and larger fibre diameter, but not filamin C aggregates. IHC revealed the presence of FLnC in the protein aggregate occurring in cardiomyocytes of patients with FLnC mutations (Figure 3c).





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 NBP1-89300

NBP1-89300PEP	FLNC 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

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-89300

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

