

Product Datasheet

Fibronectin Antibody (2F4) - BSA Free NBP2-22113

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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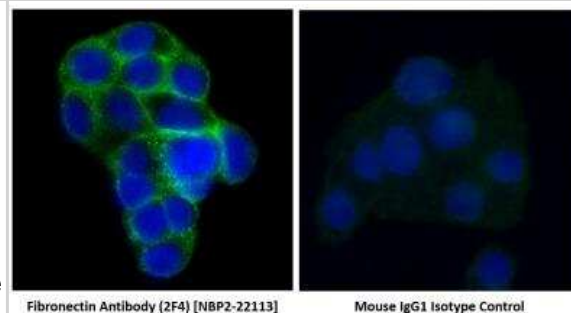
NBP2-22113

Fibronectin Antibody (2F4) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2F4
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Ammonium sulfate precipitation
Buffer	PBS
Target Molecular Weight	262.6 kDa
Product Description	
Host	Mouse
Gene ID	2335
Gene Symbol	FN1
Species	Human
Marker	Mesenchymal Cells Marker
Immunogen	Purified recombinant fragment of human Fibronectin expressed in E. coli. [UniProt# P02751]
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500 - 1:1000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200 - 11:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200 - 1:1000
Application Notes	The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

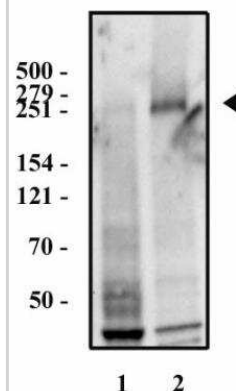
Immunocytochemistry/Immunofluorescence: Fibronectin Antibody (2F4) [NBP2-22113] - Analysis of cultured HepG2 cells using Fibronectin antibody (clone 2F4) at 1:100 dilution. The cells were fixed in formalin and permeabilized using PBS with 0.1% Triton X-100 before incubating them with Fibronectin antibody or the mouse IgG1 isotype control antibody. DyLight 488 conjugated goat anti-mouse IgG (H+L) cross-adsorbed secondary antibody was used at 1: 200 dilution to detect the antigen-primary antibody complexes and the cells were counterstained with DAPI for labeling the nuclei. This Fibronectin antibody generated the expected punctate cytoplasmic-membranous staining and the signal was localized more to the inter-cellular spaces in clustered cells.



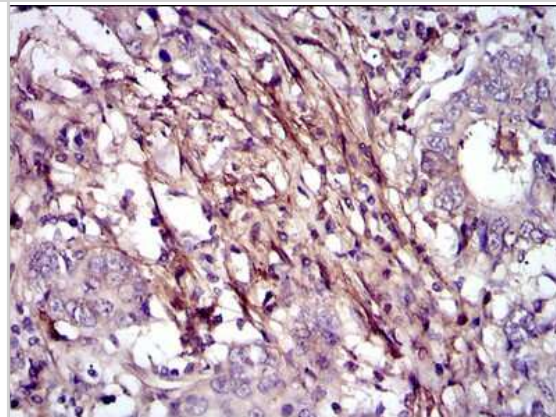
Fibronectin Antibody (2F4) [NBP2-22113]

Mouse IgG1 Isotype Control

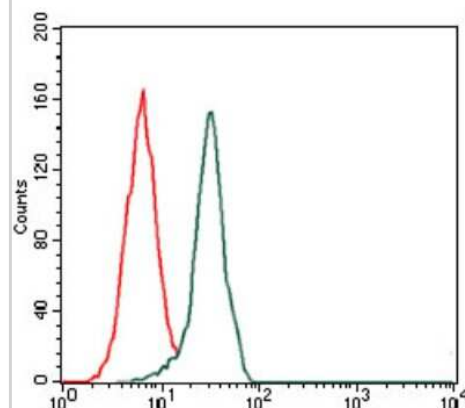
Western Blot: Fibronectin Antibody (2F4) [NBP2-22113] - Analysis of HeLa (1) and HepG2 (2) whole cell lysates using Fibronectin antibody (2F4) at 2 ug/mL.



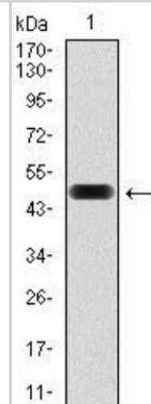
Immunohistochemistry-Paraffin: Fibronectin Antibody (2F4) [NBP2-22113] - Analysis of paraffin-embedded stomach cancer tissues using Fibronectin mouse mAb with DAB staining.



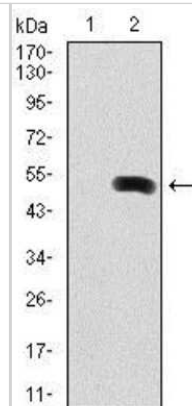
Flow Cytometry: Fibronectin Antibody (2F4) [NBP2-22113] - Analysis of HeLa cells using Fibronectin mouse mAb (green) and negative control (red).



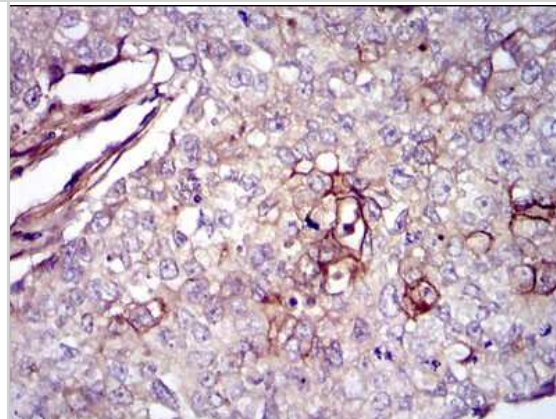
Western Blot: Fibronectin Antibody (2F4) [NBP2-22113] - Analysis using Fibronectin mAb against human Fibronectin (AA: 1965-2176) recombinant protein. Expected MW is 49.6 kDa.



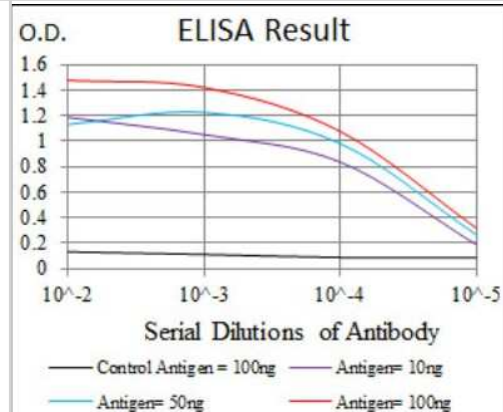
Western Blot: Fibronectin Antibody (2F4) [NBP2-22113] - Analysis using Fibronectin mAb against HEK293 (1) and Fibronectin (AA: 1965-2176)-hlgGfc transfected HEK293 (2) cell lysate.



Immunohistochemistry-Paraffin: Fibronectin Antibody (2F4) [NBP2-22113] - Analysis of paraffin-embedded lung cancer tissues using Fibronectin mouse mAb with DAB staining.



ELISA: Fibronectin Antibody (2F4) [NBP2-22113] - Red: Control Antigen (100 ng); Purple: Antigen (10 ng); Green: Antigen (50 ng); Blue: Antigen (100 ng).



Publications

Magnus Gram, Claes Ekström, Bo Holmqvist, Galen Carey, Xiaoyang Wang, Suvi Vallius, William Hellström, Niklas Ortenlöf, Alex Adusei Agyemang, Lois E.H. Smith, Ann Hellström, Alexandra Mangili, Norman Barton, David Ley
 Insulin-Like Growth Factor 1 in the Preterm Rabbit Pup: Characterization of Cerebrovascular Maturation following Administration of Recombinant Human Insulin-Like Growth Factor 1/Insulin-Like Growth Factor 1-Binding Protein 3
 Developmental neuroscience 2021-11-21 [PMID: 34218224]

Khan ZM, Munson JM, Long TE et al. Development of a Synthetic, Injectable Hydrogel to Capture Residual Glioblastoma and Glioblastoma Stem-Like Cells with CXCL12-Mediated Chemotaxis
 Advanced healthcare materials 2023-04-04 [PMID: 37014179] (ICC/IF, Human)

Radtke AJ, Chu CJ, Yaniv Z Et al. IBEX: an iterative immunolabeling and chemical bleaching method for high-content imaging of diverse tissues
 Nat Protoc 2022-01-13 [PMID: 35022622] (Hydrolysis Assay, Human)

Details:

Citation using the Alexa Fluor 532 version of this antibody.

Cho HJ, Kim HJ, Lee K et al. Bioengineered Multicellular Liver Microtissues for Modeling Advanced Hepatic Fibrosis Driven Through Non-Alcoholic Fatty Liver Disease Small (Weinheim an der Bergstrasse, Germany) 2021-03-09 [PMID: 33690979]

Ito Y, Nakamura S et al. Turbulence Activates Platelet Biogenesis to Enable Clinical Scale Ex Vivo Production. Cell 2018-07-26 [PMID: 30017246] (FLOW, Human)

Hodeib AA, Hassan GFR, Ragab MNM, Hasby EA. Clinical and immunohistochemical comparative study of the efficacy of carboxytherapy vs platelet-rich plasma in treatment of stretch marks. J Cosmet Dermatol 2018-01-07 [PMID: 29316152]





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 NBP2-22113

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-91258PEP	Fibronectin Antibody Blocking Peptide

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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