

Product Datasheet

Vinculin Antibody - BSA Free

NBP2-41274

Unit Size: 0.1 mg

Store at 4C.

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Publications: 1

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Updated 10/23/2025 v.20.1

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NBP2-41274

Vinculin Antibody - BSA Free

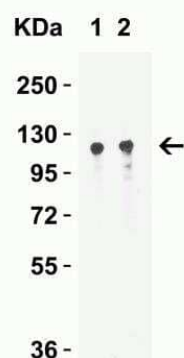
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	124 kDa

Product Description	
Description	Novus Biologicals Rabbit Vinculin Antibody - BSA Free (NBP2-41274) is a polyclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-Vinculin Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7414
Gene Symbol	VCL
Species	Human, Mouse, Rat
Specificity/Sensitivity	Vinculin antibody is human, mouse and rat reactive. At least three isoforms of Vinculin are known to exist. Human Vinculin has 3 isoforms, including isoform 2 (1134aa, 124kD), isoform 1 (1066aa, 117kD) and isoform 3 (222aa, 25kD). Mouse Vinculin has one isoform (1066aa, 117kD) and Rat Vinculin also has one isoform (1066aa, 117kD). NBP2-41274 can detect human, mouse and rat.
Immunogen	Antibody was raised against a peptide corresponding to 23 amino acids near the center of human Vinculin. < Amino Acid Sequence: VREAFQPQEPDFPPPPDLEQLR

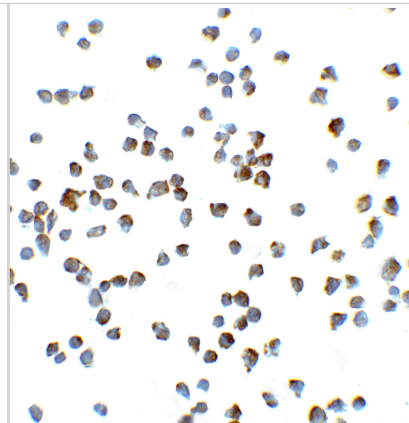
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunocytochemistry
Recommended Dilutions	Western Blot 0.5-2 ug/mL, ELISA, Immunocytochemistry/ Immunofluorescence 5 -20 ug/mL, Immunocytochemistry 5 ug/mL

Images

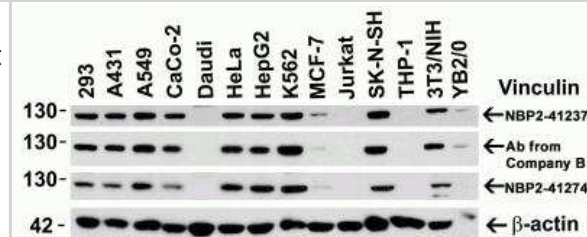
Western Blot: Vinculin Antibody [NBP2-41274] - Western Blot Validation in PC3 Cell Lysate. Loading: 15 ug of lysates per lane. Antibodies: Vinculin NBP2-41274 (Lane 1: 0.5 ug/mL and Lane 2: 1 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



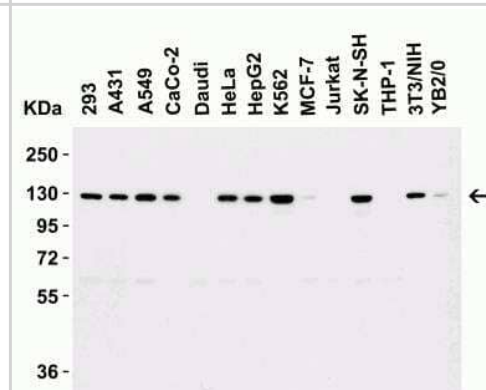
Immunocytochemistry/ Immunofluorescence: Vinculin Antibody - BSA Free [NBP2-41274] - Validation of Vinculin in Jurkat Cells.
 Immunocytochemical analysis of Jurkat cells using anti-Vinculin antibody at 5 ug/ml. Cells was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



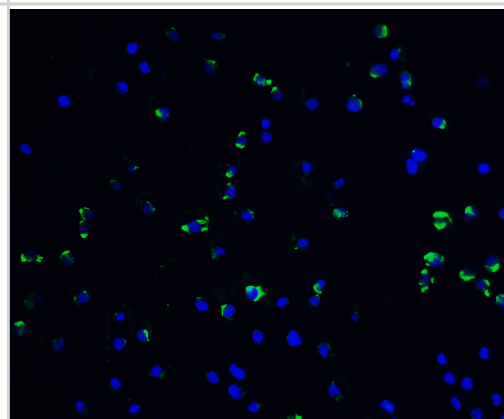
Western Blot: Vinculin Antibody [NBP2-41274] - Independent Antibody Validation (IAV) via Protein Expression Profile in Human, Mouse and Rat Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: Vinculin NBP2-41237 (2 ug/mL), Vinculin from Company B (1 ug/mL), Vinculin NBP2-41274 (1 ug/mL), and beta-actin (1.5 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot: Vinculin Antibody [NBP2-41274] - Western Blot Validation in Human, Mouse and Rat Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: Vinculin NBP2-41274 (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunocytochemistry/ Immunofluorescence: Vinculin Antibody - BSA Free [NBP2-41274] - Validation of Vinculin in Jurkat Cells.
 Immunofluorescent analysis of 4% paraformaldehyde-fixed Jurkat cells labeling Vinculin with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



Publications

Nils M. Kronenberg, Andrew Tilston-Lunel, Frances E. Thompson, Doris Chen, Wanjia Yu, Kishan Dholakia, Malte C. Gather, Frank J. Gunn-Moore Willin/FRMD6 Influences Mechanical Phenotype and Neuronal Differentiation in Mammalian Cells by Regulating ERK1/2 Activity *Frontiers in Cellular Neuroscience* 2020-09-04 [PMID: 33088261]



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 NBP2-41274

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

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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