

# Product Datasheet

## Vinculin Antibody - BSA Free NBP2-41274

Unit Size: 0.1 mg

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

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### Publications: 1

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Updated 10/23/2024 v.20.1

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**NBP2-41274**

Vinculin Antibody - BSA Free

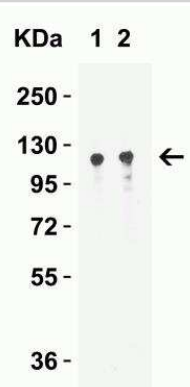
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	124 kDa

Product Description	
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

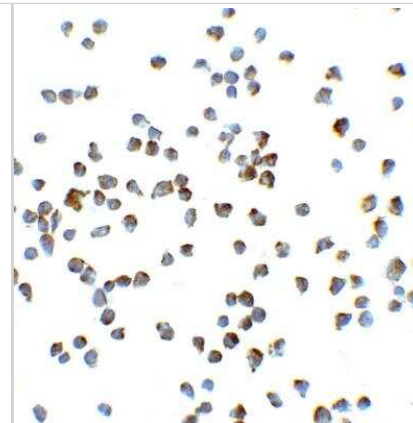
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunocytochemistry, Immunofluorescence
Recommended Dilutions	Western Blot 0.5-2 ug/mL, ELISA, Immunocytochemistry/ Immunofluorescence 5 -20 ug/mL, Immunofluorescence 20 ug/mL, Immunocytochemistry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

**Images**

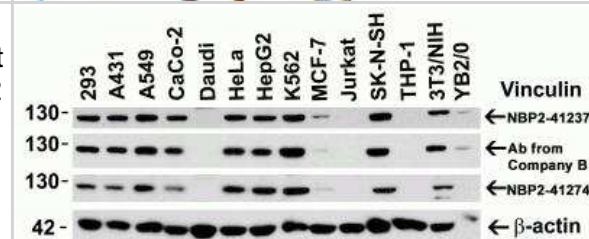
Western Blot: Vinculin Antibody [NBP2-41274] - Western Blot Validation in PC3 Cell Lysate. Loading: 15 ug of lysates per lane. Antibodies: Vinculin NBP2-41274 (Lane 1: 0.5 ug/mL and Lane 2: 1 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



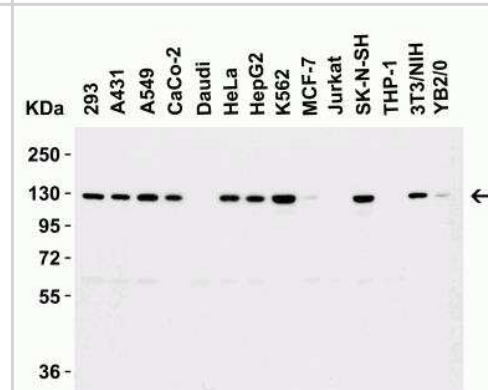
Immunocytochemistry/Immunofluorescence: Vinculin Antibody [NBP2-41274] - Staining of Vinculin in Jurkat cells with Vinculin antibody at 5 ug/ml.



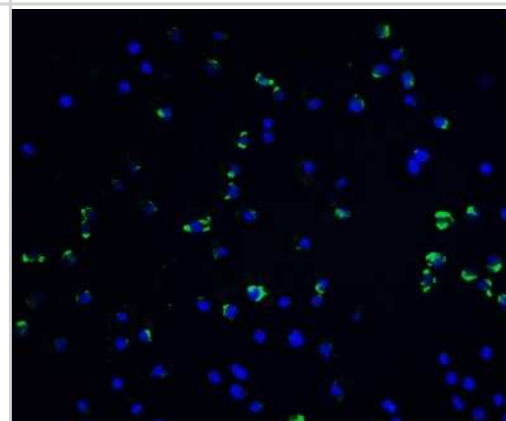
Western Blot: Vinculin Antibody [NBP2-41274] - Independent Antibody Validation (IAV) via Protein Expression Profile in Human, Mouse and Rat Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: Vinculin NBP2-41237 (2 ug/mL), Vinculin from Company B (1 ug/mL), Vinculin NBP2-41274 (1 ug/mL), and 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 [NBP2-41274] - Staining of Vinculin in Jurkat cells with Vinculin antibody at 20 ug/ml.



## 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]



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### **Products Related to NBP2-41274**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00007414-P01-10ug	Recombinant Human Vinculin GST (N-Term) Protein

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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.

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