

# Product Datasheet

## Vinculin Antibody - BSA Free NBP2-41237

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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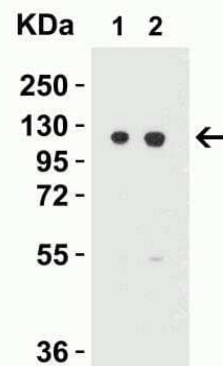
**NBP2-41237**

Vinculin Antibody - BSA Free

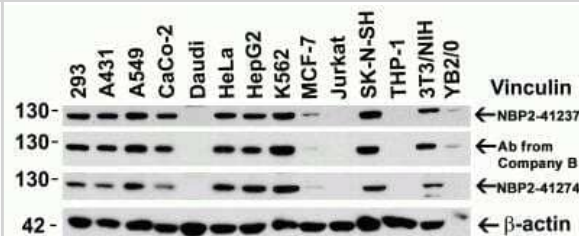
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	124 kDa
Product Description	
Description	Novus Biologicals Rabbit Vinculin Antibody - BSA Free (NBP2-41237) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. 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 specific. 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). NBP2-41237 can detect human, mouse and rat.
Immunogen	Antibody was raised against a peptide corresponding to 16 amino acids near the carboxy terminus of human Vinculin. The immunogen is located within amino acids 1060-1110 of Vinculin. Amino Acid Sequence: LGRTNISDEESEQATE
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1-2 ug/mL, ELISA, Immunohistochemistry 5 ug/mL, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 1:10-1:500

## Images

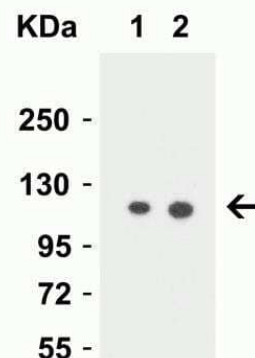
Western Blot: Vinculin Antibody [NBP2-41237] - Western Blot Validation in Mouse 3T3/balb Cell Lysate. Loading: 15 ug of lysates per lane. Antibodies: Vinculin NBP2-41237 (Lane 1: 0.5 ug/mL and Lane 2: 1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



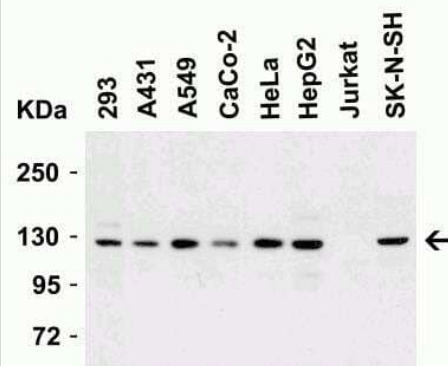
Western Blot: Vinculin Antibody [NBP2-41237] - Independent Antibody Validation (IAV) via Protein Expression Profile in Human, Mouse and Rat Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: Vinculin NBP2-41237 (2 ug/mL), Vinculin from Company B (1 ug/mL), Vinculin NBP2-41274 (1 ug/mL), and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



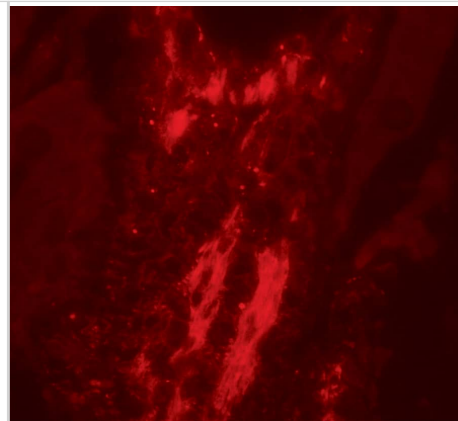
Western Blot: Vinculin Antibody [NBP2-41237] - Western Blot Validation in Human PC-3 Cell Lysate. Loading: 15 ug of lysates per lane. Antibodies: Vinculin NBP2-41237 (Lane 1: 0.5 ug/mL and Lane 2: 1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



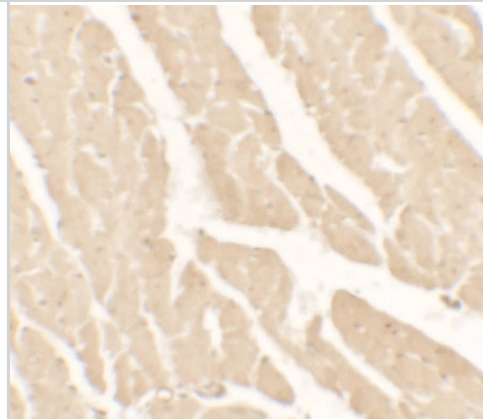
Western Blot: Vinculin Antibody [NBP2-41237] - Western Blot Validation in Human Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: Vinculin NBP2-41237 (2 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunocytochemistry/ Immunofluorescence: Vinculin Antibody - BSA Free [NBP2-41237] - Validation of Vinculin in Rat Small Intestine Tissue. Immunofluorescent analysis of 4% paraformaldehyde-fixed rat small intestine tissue labeling Vinculin with at 20 u/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).



Immunohistochemistry: Vinculin Antibody - BSA Free [NBP2-41237] - Validation of Vinculin in Rat Small Intestine Tissue. Immunohistochemical analysis of paraffin-embedded rat small intestine tissue using anti-Vinculin antibody at 5 ug/ml. Tissue 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.





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### **Products Related to NBP2-41237**

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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

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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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