

# Product Datasheet

## Vinculin Antibody - BSA Free NBP2-20859

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 3

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Updated 2/23/2025 v.20.1

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**NBP2-20859**

Vinculin Antibody - BSA Free

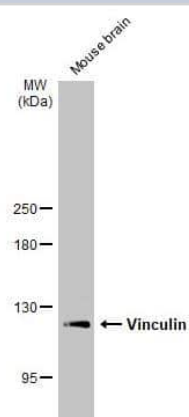
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	124 kDa

Product Description	
Host	Rabbit
Gene ID	7414
Gene Symbol	VCL
Species	Human, Mouse, Rat
Marker	Focal Adhesion Marker
Immunogen	Recombinant protein encompassing a sequence within the center region of human Vinculin. The exact sequence is proprietary.

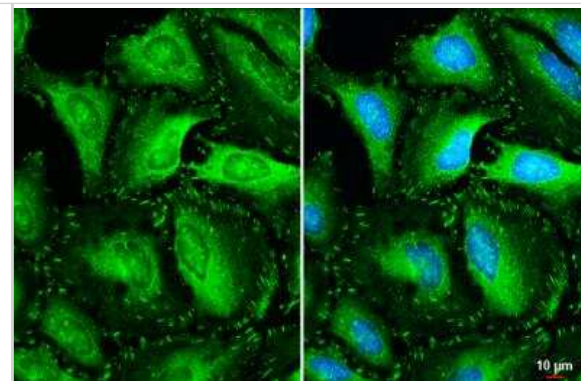
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

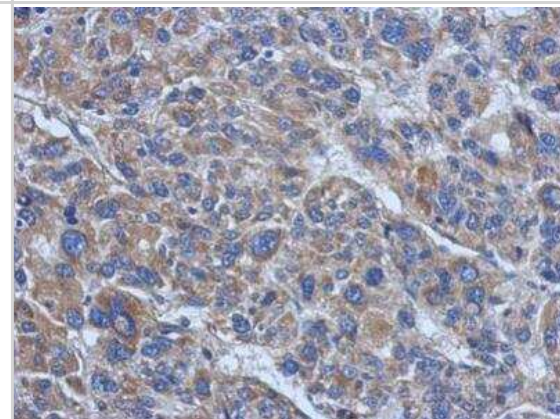
Western Blot: Vinculin Antibody [NBP2-20859] - Mouse tissue extract (50 ug) was separated by 5% SDS-PAGE, and the membrane was blotted with Vinculin antibody [N1N3] diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



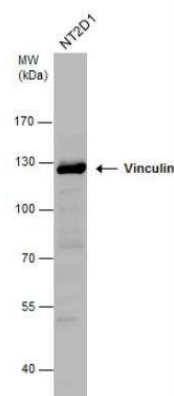
Immunocytochemistry/Immunofluorescence: Vinculin Antibody [NBP2-20859] - Vinculin antibody detects Vinculin protein at focal adhesion by immunofluorescent analysis. Sample: HeLa cells were fixed in ice-cold MeOH for 5 min. Green: Vinculin stained by Vinculin antibody diluted at 1:500. Blue: Fluoroshield with DAPI. Scale bar= 10  $\mu$ m.



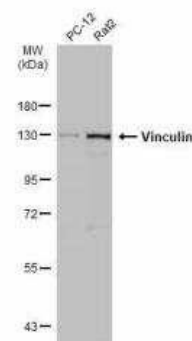
Immunohistochemistry-Paraffin: Vinculin Antibody [NBP2-20859] - Human hepatoma, using Vinculin antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based) buffer, 15min



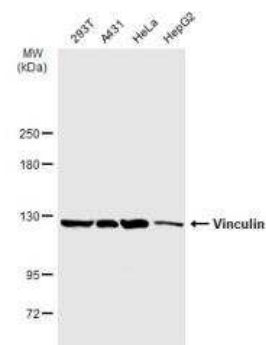
Western Blot: Vinculin Antibody [NBP2-20859] - Whole cell extracts (30  $\mu$ g) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Vinculin antibody diluted at 1:1000.



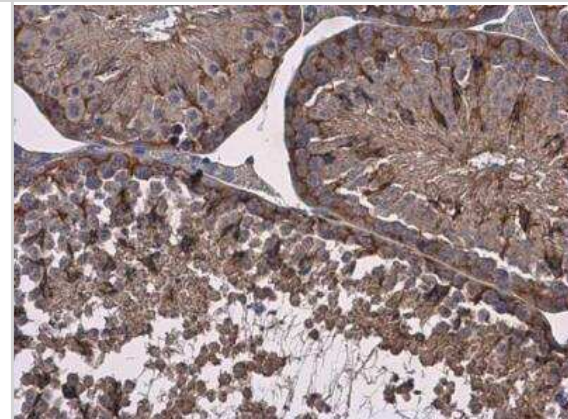
Western Blot: Vinculin Antibody [NBP2-20859] - Various whole cell extracts (30  $\mu$ g) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Vinculin antibody diluted at 1:1000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: Vinculin Antibody [NBP2-20859] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Vinculin antibody diluted at 1:1000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Immunohistochemistry-Paraffin: Vinculin Antibody [NBP2-20859] - Mouse testis. Vinculin antibody [N1N3] diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



## Publications

Sinha BK, Murphy C, Brown SM et Al. Mechanisms of Cell Death Induced by Erastin in Human Ovarian Tumor Cells Int J Mol Sci 2024-08-29 [PMID: 39201357]

Silver B, Gerrish K, Tokar E. Cell-free DNA as a potential biomarker of differentiation and toxicity in cardiac organoids eLife 2023-06-01 [PMID: 37261896] (Block/Neutralize)

Huda N, Khambu B, Liu G et al. Senescence Connects Autophagy Deficiency to Inflammation and Tumor Progression in the Liver Cellular and molecular gastroenterology and hepatology 2022-04-08 [PMID: 35398596] (WB, Mouse)



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### **Products Related to NBP2-20859**

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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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