

# Product Datasheet

## Vinculin Antibody - Azide Free NBP2-20859

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 3

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Updated 11/17/2025 v.20.1

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**NBP2-20859**

Vinculin Antibody - Azide Free

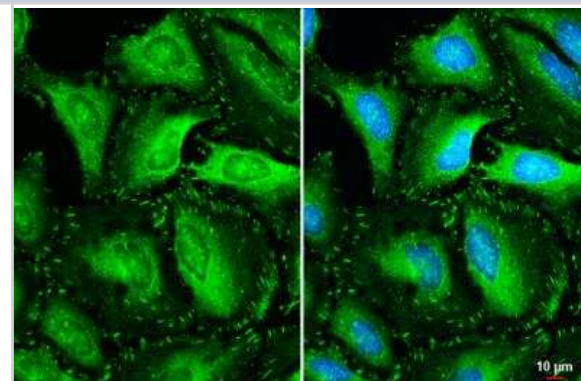
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Target Molecular Weight</b>	124 kDa

Product Description	
<b>Description</b>	Novus Biologicals Rabbit Vinculin Antibody - BSA Free (NBP2-20859) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Vinculin Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	7414
<b>Gene Symbol</b>	VCL
<b>Species</b>	Human, Mouse, Rat
<b>Marker</b>	Focal Adhesion Marker
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Vinculin. The exact sequence is proprietary.

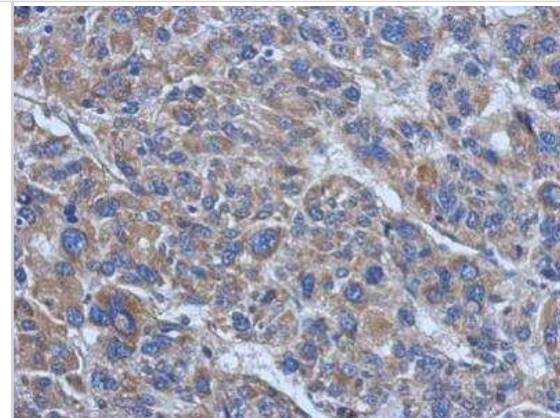
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin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

**Images**

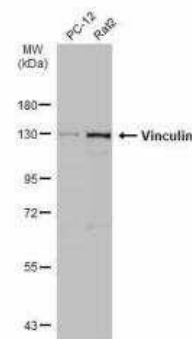
Immunocytochemistry/Immunofluorescence: Vinculin Antibody [NBP2-20859] - Vinculin antibody detects Vinculin protein at focal adhesion by immunofluorescent analysis. Sample: HeLa cells were fixed in ice-cold MeOH for 5 min. Green: Vinculin stained by Vinculin antibody diluted at 1:500. Blue: Fluoroshield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



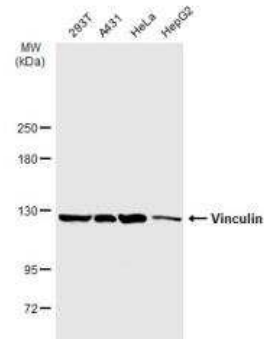
Immunohistochemistry-Paraffin: Vinculin Antibody [NBP2-20859] - Human hepatoma, using Vinculin antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based) buffer, 15min



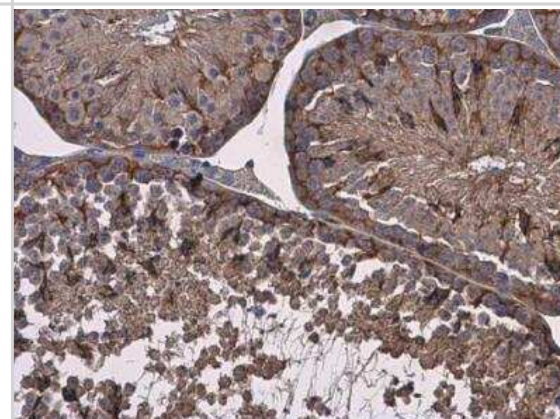
Western Blot: Vinculin Antibody [NBP2-20859] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Vinculin antibody diluted at 1:1000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



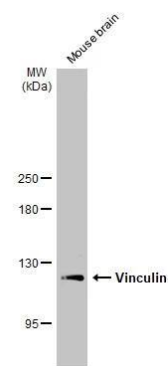
Western Blot: Vinculin Antibody [NBP2-20859] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Vinculin antibody diluted at 1:1000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



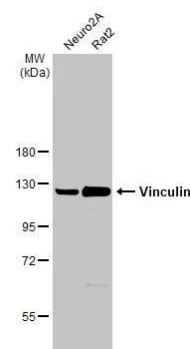
Immunohistochemistry-Paraffin: Vinculin Antibody [NBP2-20859] - Mouse testis. Vinculin antibody [N1N3] diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



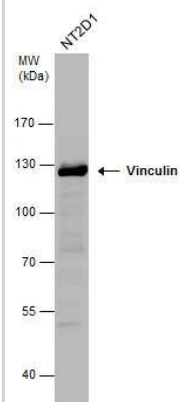
Mouse tissue extract (50 ug) was separated by 5% SDS-PAGE, and the membrane was blotted with Vinculin antibody [N1N3] (NBP2-20859) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



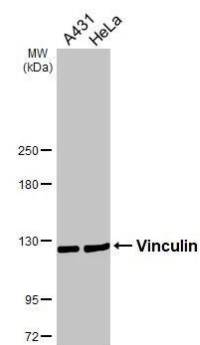
Various whole cell extracts (50 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Vinculin antibody [N1N3] (NBP2-20859) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Vinculin antibody detects Vinculin protein by western blot analysis. Whole cell extracts (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Vinculin antibody (NBP2-20859) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Vinculin antibody [N1N3] (NBP2-20859) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Effects of erastin (2.5  $\mu$ M) on various oxidative and ferroptosis-related genes in OVCAR-8 (A) and NCI/ADR-RES cells (B) cells following treatment with erastin for 4 h and 24 h. Protein levels for GPX4, NrF2, and NOX4 following treatment with 2.5  $\mu$ M for 4 and 24 h in OVCAR-8 and NCI/ADR-RES cells (C). \*  $p < 0.05$ , \*\* and \*\*\*  $p$  values  $< 0.005$  and  $0.001$ , respectively, compared to control ( $\beta$ -Actin at 4 h and 24 h, respectively). Image collected and cropped by CiteAb from the following open publication (<https://www.mdpi.com/1422-0067/25/16/8666>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

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] (Western Blot, Mouse)

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]

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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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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