

# Product Datasheet

## Vimentin Antibody (PDH0-01) NBP3-33093

Unit Size: 100 ul

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

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Updated 9/9/2025 v.20.1

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**NBP3-33093**

Vimentin Antibody (PDH0-01)

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	PDH0-01
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH7.4), 0.1% BSA and 40% Glycerol
<b>Target Molecular Weight</b>	54 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit Vimentin Antibody (PDH0-01) (NBP3-33093) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	7431
<b>Gene Symbol</b>	VIM
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Synthetic peptide within C-terminal human Vimentin. (Uniprot: P08670)

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:5000, Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:500-1:2000



## Images

Western Blot: Vimentin Antibody (PDH0-01) [NBP3-33093] - Western blot analysis of Vimentin on different lysates with Rabbit anti-Vimentin antibody (NBP3-33093) at 1/5,000 dilution.

Lane 1: L6 cell lysate  
Lane 2: C2C12 cell lysate  
Lane 3: HeLa cell lysate  
Lane 4: A549 cell lysate

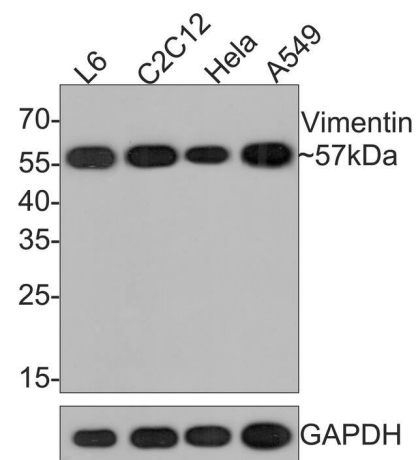
Lysates/proteins at 10 ug/Lane.

Predicted band size: 54 kDa  
Observed band size: 57 kDa

Exposure time: 2 minutes;

10% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (NBP3-33093) at 1/5,000 dilution was used in 5% NFDN/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



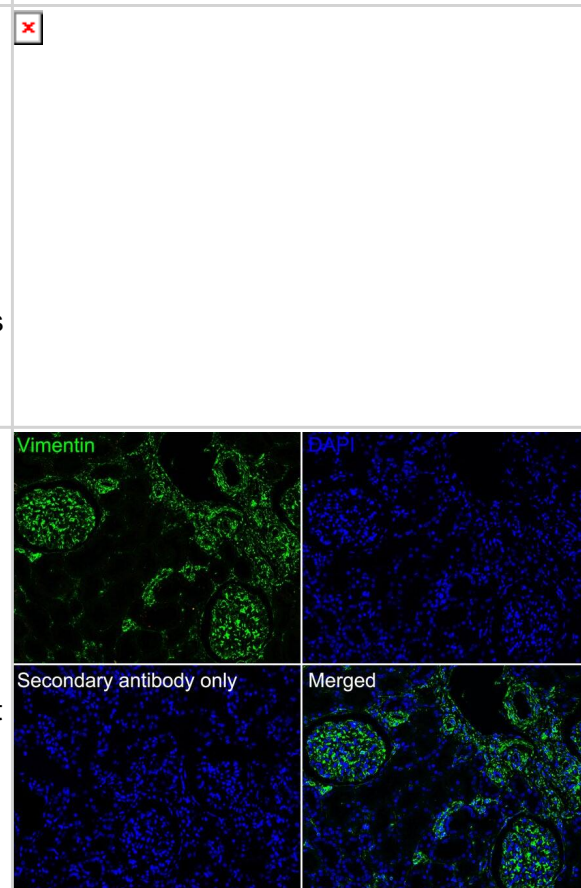
Immunohistochemistry: Vimentin Antibody (PDH0-01) [NBP3-33093] - Immunohistochemical analysis of paraffin-embedded human liver tissue with Rabbit anti-Vimentin antibody (NBP3-33093) at 1/2,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-33093) at 1/2,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Immunohistochemistry: Vimentin Antibody (PDH0-01) [NBP3-33093] - Immunofluorescence analysis of paraffin-embedded human kidney tissue labeling Vimentin with Rabbit anti-Vimentin antibody (NBP3-33093) at 1/200 dilution.

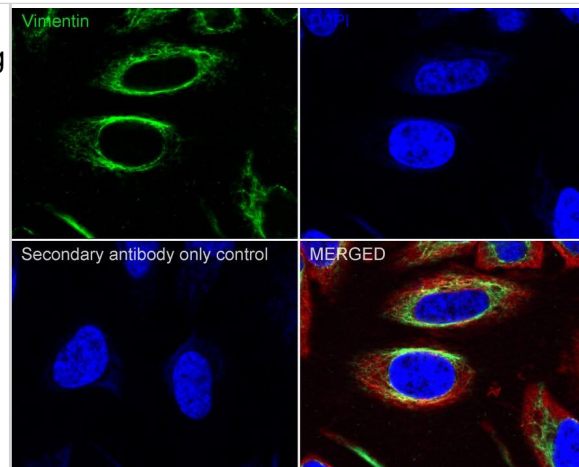
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-33093, green) at 1/200 dilution overnight at 4 °C, washed with PBS.

Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



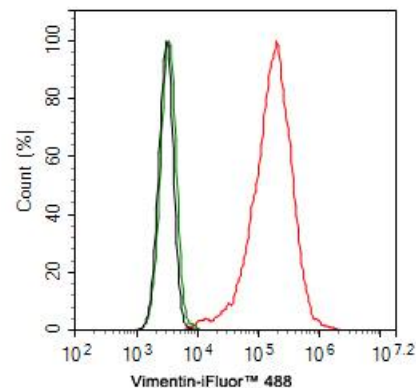
**Immunocytochemistry/ Immunofluorescence: Vimentin Antibody (PDH0-01) [NBP3-33093]** - Immunocytochemistry analysis of HeLa cells labeling Vimentin with Rabbit anti-Vimentin antibody (NBP3-33093) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-Vimentin antibody (NBP3-33093) at 1/100 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



**Flow Cytometry: Vimentin Antibody (PDH0-01) [NBP3-33093]** - Flow cytometric analysis of HeLa cells labeling Vimentin.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-33093, 1ug/ml) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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### **Products Related to NBP3-33093**

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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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