

# 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 8/7/2025 v.20.1

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**NBP3-33093**

Vimentin Antibody (PDH0-01)

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

Product Description	
Host	Rabbit
Gene ID	7431
Gene Symbol	VIM
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within C-terminal human Vimentin. (Uniprot: P08670)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	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% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-33093) at 1/5,000 dilution was used in 5% NFDM/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.

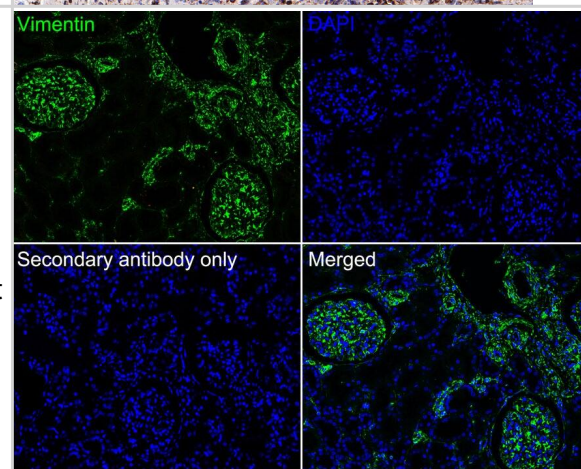
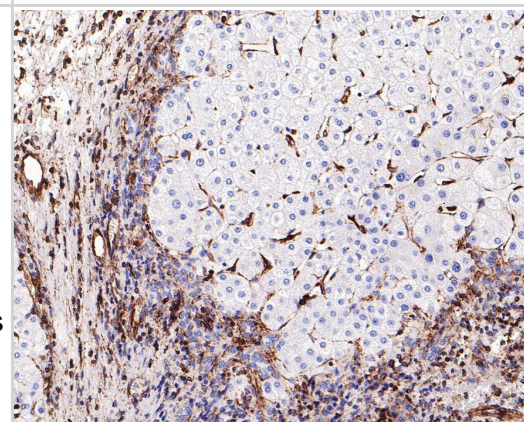
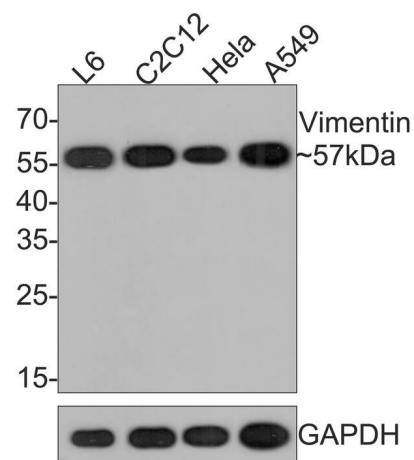
**Immunohistochemistry: Vimentin Antibody (PDH0-01) [NBP3-33093]** - Immunohistochemical analysis of paraffin-embedded human liver tissue with Rabbit anti-Vimentin antibody (NBP3-33093) at 1/2,000 dilution.

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.

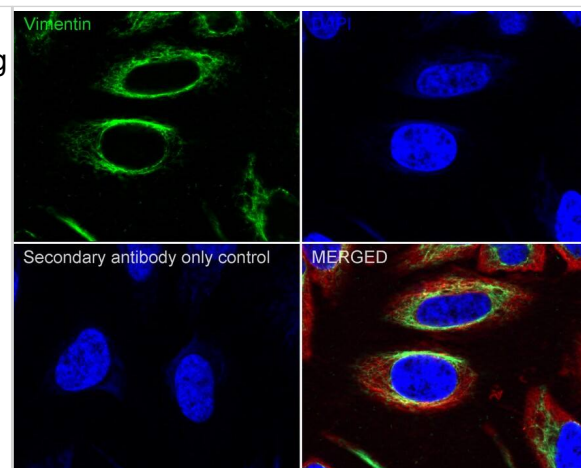
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-33093, green) at 1/200 dilution overnight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



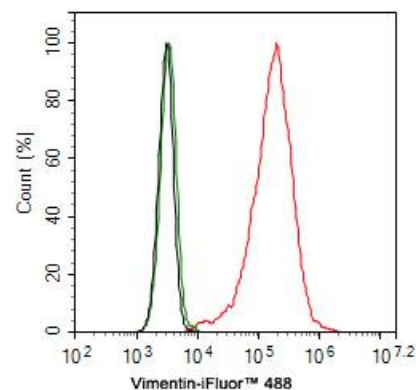
**Immunocytochemistry/ Immunofluorescence: Vimentin Antibody (PDH0-01) [NBP3-33093]** - Immunocytochemistry analysis of HeLa cells labeling Vimentin with Rabbit anti-Vimentin antibody (NBP3-33093) at 1/100 dilution.

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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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-35139-100ug	Recombinant Human Vimentin 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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