

Product Datasheet

Vimentin Antibody (SC60-05)

NBP3-33094

Unit Size: 100 ul

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

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NBP3-33094

Vimentin Antibody (SC60-05)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SC60-05
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	1*TBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	54 kDa

Product Description	
Description	Novus Biologicals Rabbit Vimentin Antibody (SC60-05) (NBP3-33094) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
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, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:20000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunoprecipitation Use at an assay dependent concentration, Immunohistochemistry-Paraffin 1:100-1:10000, Immunohistochemistry-Frozen 1:50

Images

Immunoprecipitation: Vimentin Antibody (SC60-05) [NBP3-33094] - Vimentin was immunoprecipitated in 0.2mg HeLa cell lysate with NBP3-33094 at 2 ug/25 ul agarose. Western blot was performed from the immunoprecipitate using NBP3-33094 at 1/10,000 dilution. Anti-Rabbit IgG for IP Nano-secondary antibody at 1/5,000 dilution was used for 1 hour at room temperature.

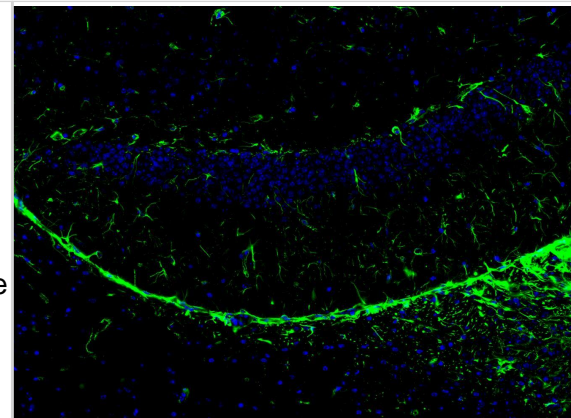
Lane 1: HeLa cell lysate (input)
 Lane 2: Rabbit IgG instead of NBP3-33094 in HeLa cell lysate
 Lane 3: NBP3-33094 IP in HeLa cell lysate

Blocking/Dilution buffer: 5% NFDM/TBST
 Exposure time: 5 seconds



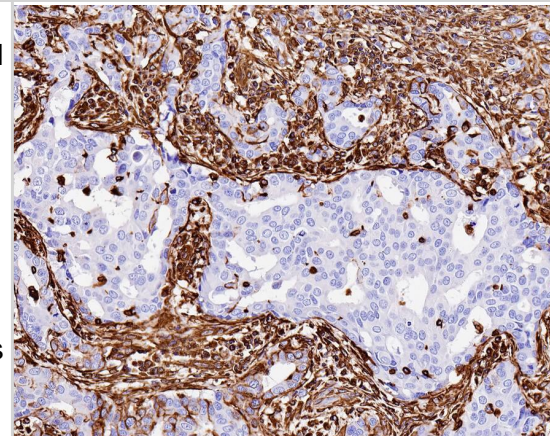
Immunohistochemistry-Frozen: Vimentin Antibody (SC60-05) [NBP3-33094] - Immunofluorescence analysis of frozen mouse hippocampus tissue labeling Vimentin with Rabbit anti-Vimentin antibody (NBP3-33094).

The tissues were blocked in 3% BSA for 30 minutes at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-33094, green) at 1/100 dilution overnight at 4°C, washed with PBS. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) was used as the secondary antibody at 1/200 dilution. Nuclei were counterstained with DAPI (blue).



Immunohistochemistry: Vimentin Antibody (SC60-05) [NBP3-33094] - Immunohistochemical analysis of paraffin-embedded human endometrial carcinoma tissue with Rabbit anti-Vimentin antibody (NBP3-33094) at 1/1,000 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 ddH₂O and PBS, and then probed with the primary antibody (NBP3-33094) at 1/1,000 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.



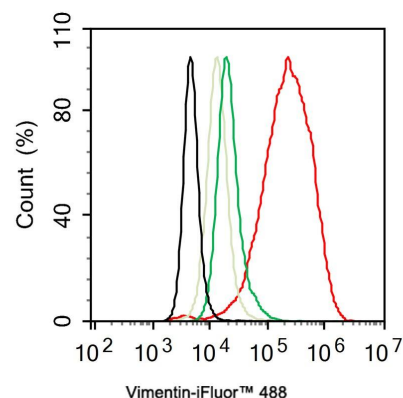
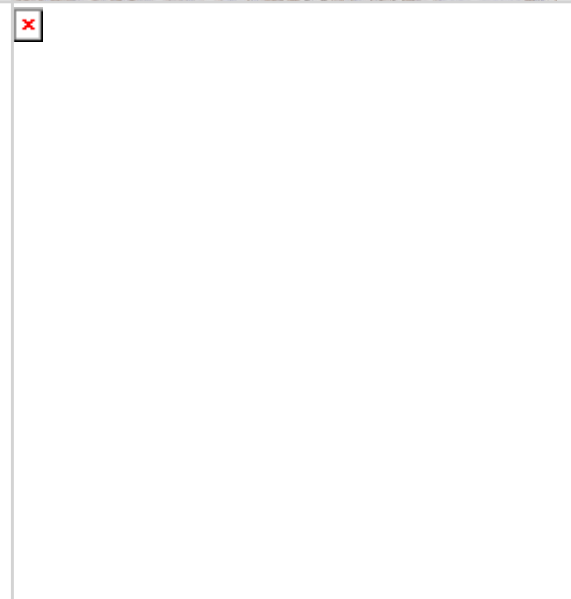
Immunocytochemistry/ Immunofluorescence: Vimentin Antibody (SC60-05) [NBP3-33094] - Immunocytochemistry analysis of C6 cells labeling Vimentin with Rabbit anti-Vimentin antibody (NBP3-33094) at 1/1,000 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Vimentin antibody at 1/1,000 dilution in 1% BSA in PBST 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.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4°C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.

Flow Cytometry: Vimentin Antibody (SC60-05) [NBP3-33094] - Flow cytometric analysis of HeLa (positive, red) and MCF7 (negative, green) cells labeling Vimentin.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-33094) at 1/1,000 dilution, compared with Rabbit IgG Isotype Control (HeLa black, MCF7 light 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.



Western Blot: Vimentin Antibody (SC60-05) [NBP3-33094] - Western blot analysis of Vimentin on different lysates with Rabbit anti-Vimentin antibody (NBP3-33094) at 1/20,000 dilution.

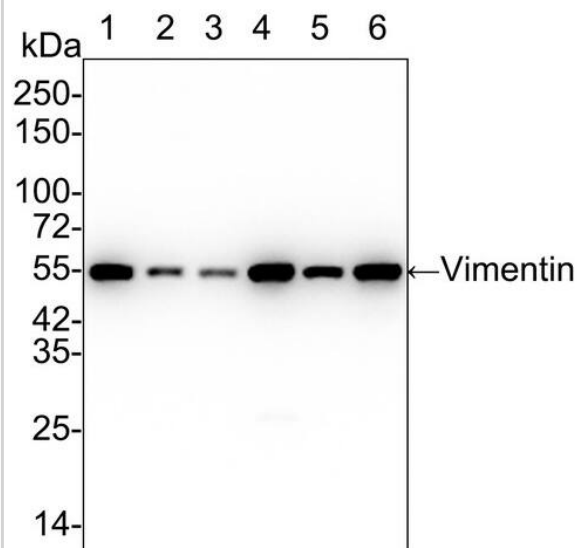
Lane 1: HeLa cell lysate (10 µg/Lane)
Lane 2: HEK-293 cell lysate (10 µg/Lane)
Lane 3: Jurkat cell lysate (10 µg/Lane)
Lane 4: C2C12 cell lysate (10 µg/Lane)
Lane 5: RAW264.7 cell lysate (10 µg/Lane)
Lane 6: C6 cell lysate (10 µg/Lane)

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

Exposure time: 14 seconds;

4-20% 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 at 1/20,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:50,000 dilution was used for 1 hour at room temperature.





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Products Related to NBP3-33094

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

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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