

Product Datasheet

Cofilin Antibody (PSH01-44)

NBP3-32207

Unit Size: 100 ul

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

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NBP3-32207

Cofilin Antibody (PSH01-44)

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	PSH01-44
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	19 kDa

Product Description	
Description	Novus Biologicals Rabbit Cofilin Antibody (PSH01-44) (NBP3-32207) 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.
Host	Rabbit
Gene ID	1072
Gene Symbol	CFL1
Species	Human, Mouse, Rat, Monkey
Immunogen	Synthetic peptide within human Cofilin aa 51-100 / 166. (Uniprot: P23528)

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



Images

Western Blot: Cofilin Antibody (PSH01-44) [NBP3-32207] - Western blot analysis of Cofilin on different lysates with Rabbit anti-Cofilin antibody (NBP3-32207) at 1/1,000 dilution.

Lane 1: Hela cell lysate (30 ug/Lane)
 Lane 2: HEK-293 cell lysate (30 ug/Lane)
 Lane 3: MCF7 cell lysate (30 ug/Lane)
 Lane 4: MDA-MB-468 cell lysate (30 ug/Lane)
 Lane 5: SH-SY5Y cell lysate (30 ug/Lane)
 Lane 6: HUVEC cell lysate (30 ug/Lane)
 Lane 7: Jurkat cell lysate (30 ug/Lane)
 Lane 8: COS-1 cell lysate (30 ug/Lane)
 Lane 9: VERO cell lysate (30 ug/Lane)
 Lane 10: NIH/3T3 cell lysate (30 ug/Lane)
 Lane 11: PC-12 cell lysate (30 ug/Lane)
 Lane 12: Neuro-2a cell lysate (30 ug/Lane)
 Lane 13: K-562 cell lysate (30 ug/Lane)
 Lane 14: A431 cell lysate (30 ug/Lane)

Predicted band size: 19 kDa
 Observed band size: 19 kDa

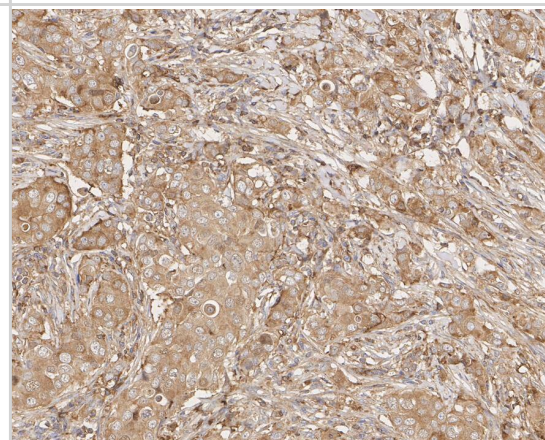
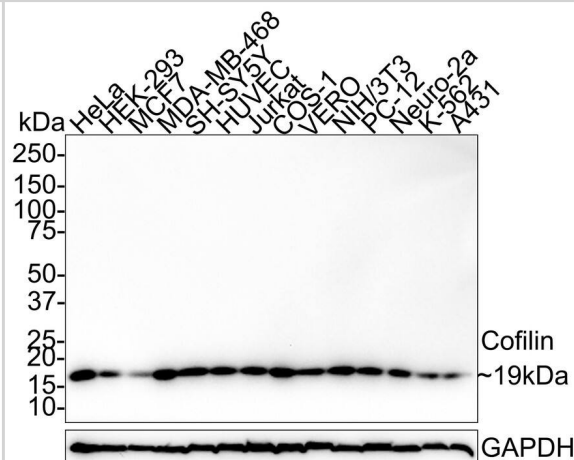
Exposure time: 2 minutes 37 seconds;

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 (NBP3-32207) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.

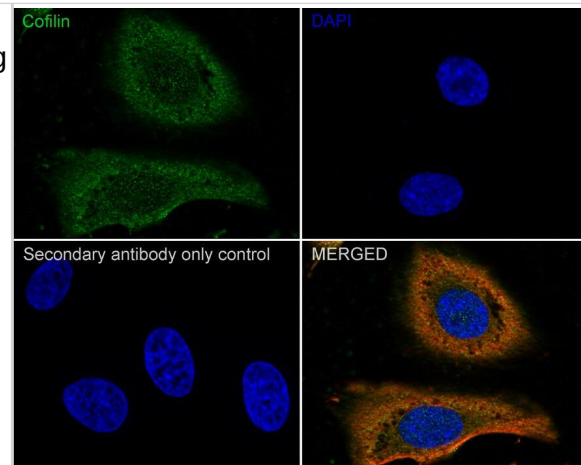
Immunohistochemistry: Cofilin Antibody (PSH01-44) [NBP3-32207] - Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue with Rabbit anti-Cofilin antibody (NBP3-32207) at 1/100 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 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 (NBP3-32207) at 1/100 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: Cofilin Antibody (PSH01-44) [NBP3-32207] - Immunocytochemistry analysis of HeLa cells labeling Cofilin with Rabbit anti-Cofilin antibody (NBP3-32207) at 1/100 dilution.

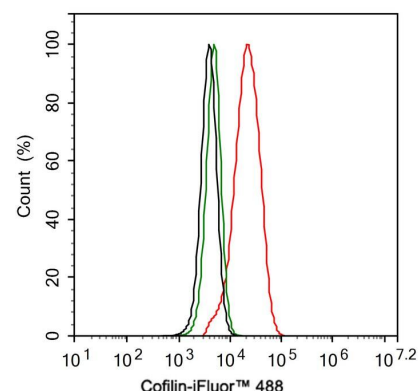
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Cofilin antibody (NBP3-32207) at 1/100 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: Cofilin Antibody (PSH01-44) [NBP3-32207] - Flow cytometric analysis of HeLa cells labeling Cofilin.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32207, 1 µg/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 NBP3-32207

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBC1-18535	Recombinant Human Cofilin His Protein

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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