

# Product Datasheet

## Flotillin 2 Antibody (PSH03-41) NBP3-32343

Unit Size: 100 ul

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

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**NBP3-32343**

Flotillin 2 Antibody (PSH03-41)

| 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                   | PSH03-41   |
| Preservative            | 0.05% Sodium Azide   |
| Isotype                 | IgG  |
| Purity                  | Protein A purified   |
| Buffer                  | PBS (pH7.4), 0.1% BSA and 40% Glycerol   |
| Target Molecular Weight | 47 kDa   |

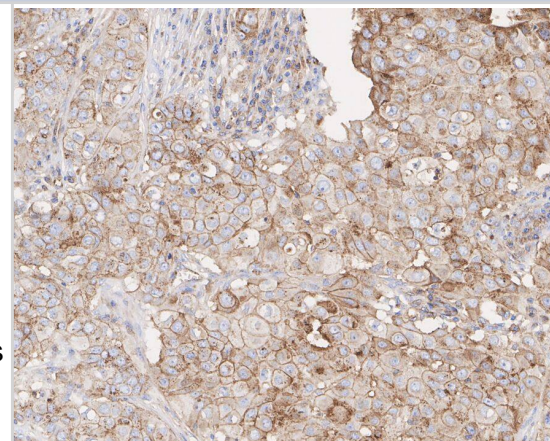
| Product Description |   |
|---------------------|---|
| Description         | Novus Biologicals Rabbit Flotillin 2 Antibody (PSH03-41) (NBP3-32343) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit  |
| Gene ID             | 2319  |
| Gene Symbol         | FLOT2   |
| Species             | Human, Mouse, Rat, Monkey   |
| Immunogen           | Recombinant protein within human Flotillin 2 aa 1-428 / 428. (Uniprot: Q14254)  |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry   |
| Recommended Dilutions       | Western Blot 1:2000-1:5000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:500-1:2000 |

**Images**

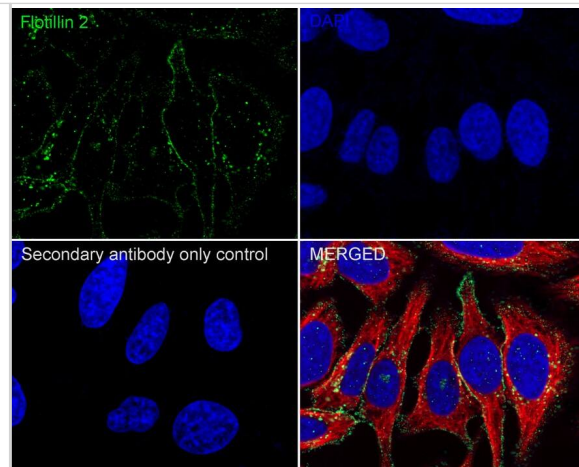
Immunohistochemistry: Flotillin 2 Antibody (PSH03-41) [NBP3-32343] - Immunohistochemical analysis of paraffin-embedded human breast cancer tissue with Rabbit anti-Flotillin 2 antibody (NBP3-32343) at 1/2,000 dilution.

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 (NBP3-32343) 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.



**Immunocytochemistry/ Immunofluorescence: Flotillin 2 Antibody (PSH03-41) [NBP3-32343]** - Immunocytochemistry analysis of HeLa cells labeling Flotillin 2 with Rabbit anti-Flotillin 2 antibody (NBP3-32343) at 1/100 dilution.

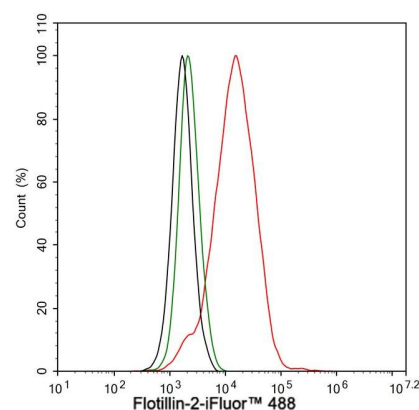
Cells were fixed in 100% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Flotillin 2 antibody (NBP3-32343) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit 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: Flotillin 2 Antibody (PSH03-41) [NBP3-32343]** - Flow cytometric analysis of HeLa cells labeling Flotillin 2.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32343, 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).



**Western Blot: Flotillin 2 Antibody (PSH03-41) [NBP3-32343]** - Western blot analysis of Flotillin 2 on different lysates with Rabbit anti-Flotillin 2 antibody (NBP3-32343) at 1/5,000 dilution.

Lane 1: HeLa cell lysate (15 µg/Lane)  
 Lane 2: A431 cell lysate (15 µg/Lane)  
 Lane 3: COS-1 cell lysate (15 µg/Lane)  
 Lane 4: NIH/3T3 cell lysate (15 µg/Lane)  
 Lane 5: PC-12 cell lysate (15 µg/Lane)  
 Lane 6: Mouse lung tissue lysate (30 µg/Lane)  
 Lane 7: Rat lung tissue lysate (30 µg/Lane)

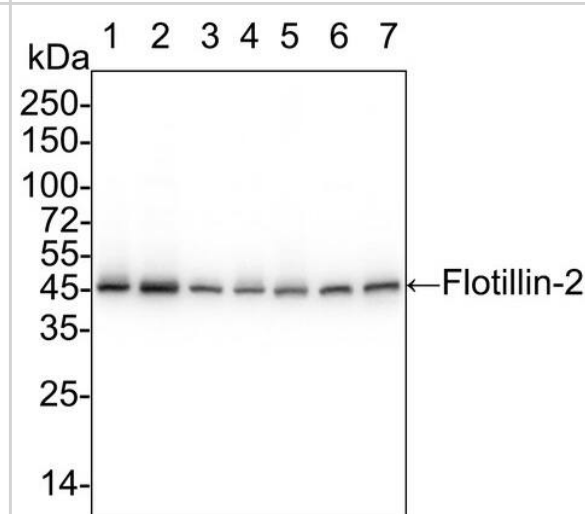
Predicted band size: 47 kDa  
 Observed band size: 47 kDa

Exposure time:

Lane 1-7 (left): 6 seconds;  
 Lane 1-7 (right): 50 seconds;

4-20% 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 at 1/5,000 dilution was used in 5% NFDN/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 NBP3-32343**

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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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