

# Product Datasheet

## p38 gamma/SAPK3 Antibody (PSH03-58) NBP3-32693

Unit Size: 100 ul

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

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**NBP3-32693**

p38 gamma/SAPK3 Antibody (PSH03-58)

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	PSH03-58
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	42 kDa

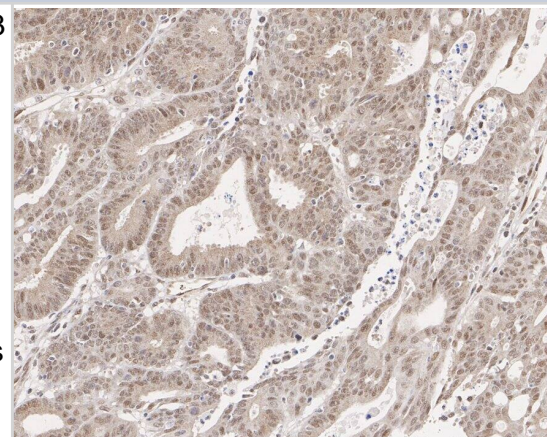
Product Description	
Description	Novus Biologicals Rabbit p38 gamma/SAPK3 Antibody (PSH03-58) (NBP3-32693) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6300
Gene Symbol	MAPK12
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human p38 gamma/SAPK3 aa 1-367 / 367. (Uniprot: P53778)

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

**Images**

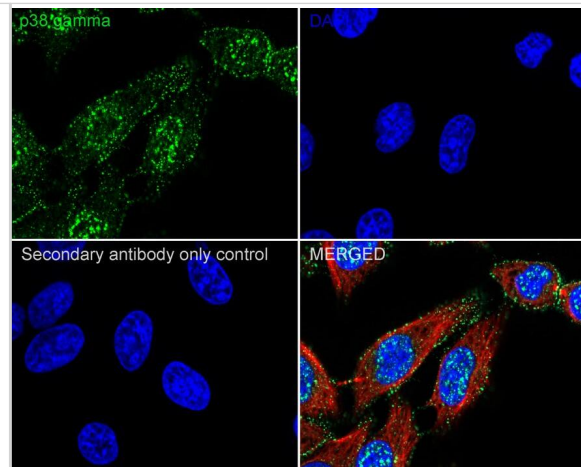
Immunohistochemistry: p38 gamma/SAPK3 Antibody (PSH03-58) [NBP3-32693] - Immunohistochemical analysis of paraffin-embedded human colon cancer tissue with Rabbit anti-p38 gamma/SAPK3 antibody (NBP3-32693) at 1/1,000 dilution.

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 ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32693) 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: p38 gamma/SAPK3 Antibody (PSH03-58) [NBP3-32693]** - Immunocytochemistry analysis of HeLa cells labeling p38 gamma/SAPK3 with Rabbit anti-p38 gamma/SAPK3 antibody (NBP3-32693) at 1/100 dilution.

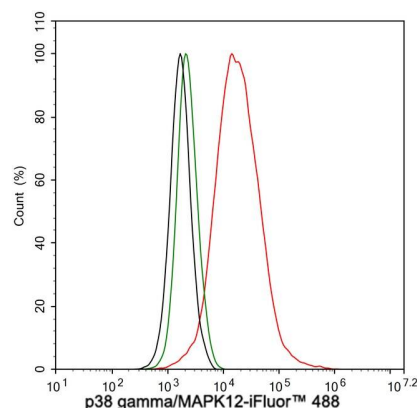
Cells were fixed in 100% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-p38 gamma/SAPK3 antibody (NBP3-32693) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat 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.

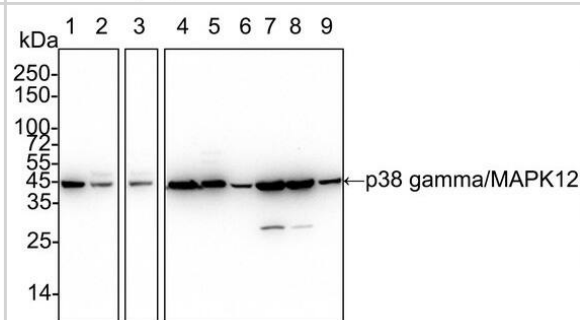
**Flow Cytometry: p38 gamma/SAPK3 Antibody (PSH03-58) [NBP3-32693]** - Flow cytometric analysis of HeLa cells labeling p38 gamma/SAPK3.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32693, 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: p38 gamma/SAPK3 Antibody (PSH03-58) [NBP3-32693]** - Western blot analysis of p38 gamma/SAPK3 on different lysates with Rabbit anti-p38 gamma/SAPK3 antibody (NBP3-32693) at 1/2,000 dilution.

Lane 1: 293T cell lysate  
 Lane 2: HeLa cell lysate  
 Lane 3: K-562 cell lysate  
 Lane 4: Neuro-2a cell lysate  
 Lane 5: PC-12 cell lysate  
 Lane 6: Mouse heart tissue lysate  
 Lane 7: Mouse skeletal muscle tissue lysate  
 Lane 8: Rat skeletal muscle tissue lysate  
 Lane 9: Rat heart tissue lysate



Lysates/proteins at 30 µg/Lane.

Predicted band size: 42 kDa  
 Observed band size: 42 kDa

Exposure time: 40 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 1/2,000 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 NBP3-32693

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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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