

# Product Datasheet

## PI 3-Kinase p85 alpha [p Tyr199, p Tyr467] Antibody (PSH01-38) NBP3-32818

Unit Size: 100 ul

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

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**NBP3-32818**

PI 3-Kinase p85 alpha [p Tyr199, p Tyr467] Antibody (PSH01-38)

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	PSH01-38
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH7.4), 0.1% BSA and 40% Glycerol
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit PI 3-Kinase p85 alpha [p Tyr199, p Tyr467] Antibody (PSH01-38) (NBP3-32818) is a recombinant monoclonal antibody validated for use in WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5295
<b>Gene Symbol</b>	PIK3R1
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Synthetic peptide within human PI 3-Kinase p85 alpha aa 451-500 / 724. (Uniprot: P27986)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:100



## Images

Western Blot: PI 3-Kinase p85 alpha [p Tyr199, p Tyr467] Antibody (PSH01-38) [NBP3-32818] - Western blot analysis of PI 3-Kinase p85 alpha on different lysates with Rabbit anti-PI 3-Kinase p85 alpha antibody (NBP3-32818) at 1/1,000 dilution.

Lane 1: NIH/3T3 whole cell lysate

Lane 2: NIH/3T3 treated with 1mM sodium orthovanadate for 30 minutes whole cell lysate

Lysates/proteins at 30 ug/Lane.

Predicted band size: 84 kDa

Observed band size: 55/85 kDa

Exposure time: 3 minutes 10 seconds;

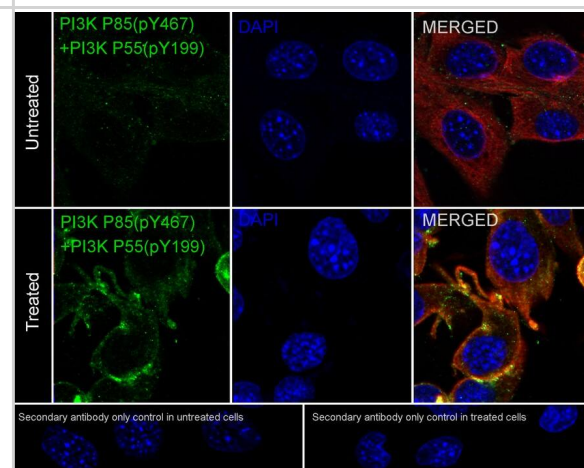
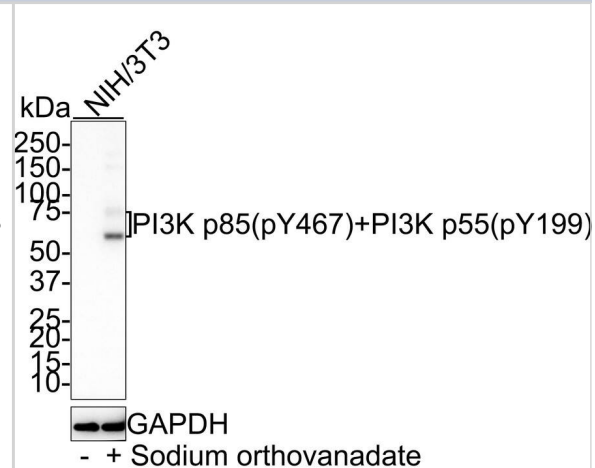
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (NBP3-32818) at 1/1,000 dilution was used in 5% NFDN/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.

Immunocytochemistry/ Immunofluorescence: PI 3-Kinase p85 alpha [p Tyr199, p Tyr467] Antibody (PSH01-38) [NBP3-32818] - Immunocytochemistry analysis of NIH/3T3 cells treated with or without 1mM Sodium orthovanadate for 30 minutes labeling PI 3-Kinase p85 alpha with Rabbit anti-PI 3-Kinase p85 alpha antibody (NBP3-32818) 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-PI 3-Kinase p85 alpha antibody (NBP3-32818) 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.





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### **Products Related to NBP3-32818**

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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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