

# Product Datasheet

## RSK4 Antibody (PSH02-04)

### NBP3-32920

Unit Size: 100 ul

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

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**NBP3-32920**

RSK4 Antibody (PSH02-04)

<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>	PSH02-04
<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>Target Molecular Weight</b>	84 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit RSK4 Antibody (PSH02-04) (NBP3-32920) 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.
<b>Host</b>	Rabbit
<b>Gene ID</b>	27330
<b>Gene Symbol</b>	RPS6KA6
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein within human RSK4 aa 31-420 / 745. (Uniprot: Q9UK32)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200-1:1000



## Images

Western Blot: RSK4 Antibody (PSH02-04) [NBP3-32920] - Western blot analysis of RSK4 on different lysates with Rabbit anti-RSK4 antibody (NBP3-32920) at 1/1,000 dilution.

Lane 1: HEK-293 cell lysate  
 Lane 2: Caco-2 cell lysate  
 Lane 3: MDA-MB-231 cell lysate  
 Lane 4: MDA-MB-468 cell lysate  
 Lane 5: Raji cell lysate  
 Lane 6: Ramos cell lysate  
 Lane 7: NIH/3T3 cell lysate  
 Lane 8: PC-12 cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 84 kDa  
 Observed band size: 84 kDa

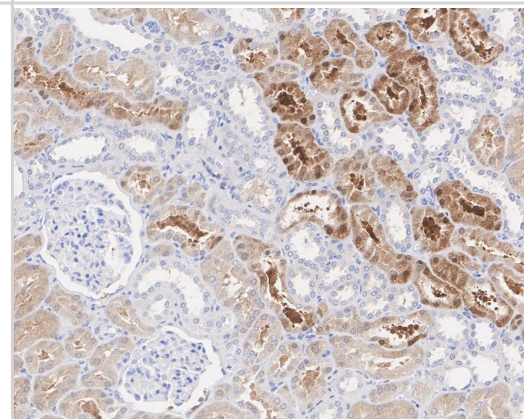
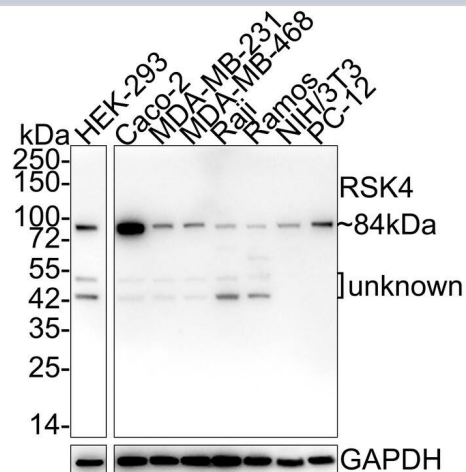
Exposure time: 1 minute 14 seconds;

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 (NBP3-32920) 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 1/50,000 dilution was used for 1 hour at room temperature.

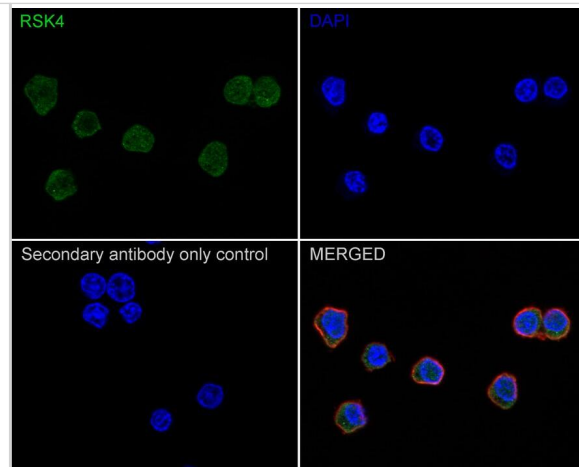
Immunohistochemistry: RSK4 Antibody (PSH02-04) [NBP3-32920] - Immunohistochemical analysis of paraffin-embedded human kidney tissue with Rabbit anti-RSK4 antibody (NBP3-32920) at 1/200 dilution.

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 (NBP3-32920) at 1/200 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: RSK4 Antibody (PSH02-04) [NBP3-32920] - Immunocytochemistry analysis of PC-12 cells labeling RSK4 with Rabbit anti-RSK4 antibody (NBP3-32920) at 1/100 dilution.

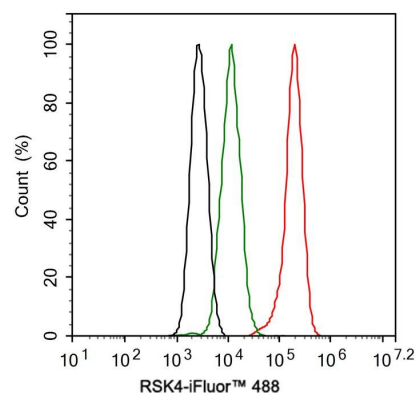
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-RSK4 antibody (NBP3-32920) 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: RSK4 Antibody (PSH02-04) [NBP3-32920] - Flow cytometric analysis of Caco-2 cells labeling RSK4.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32920, 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 NBP3-32920**

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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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