

# Product Datasheet

## Rab1A Antibody (PSH03-62)

### NBP3-32884

Unit Size: 100 ul

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

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**NBP3-32884**

Rab1A Antibody (PSH03-62)

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	PSH03-62
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	23 kDa

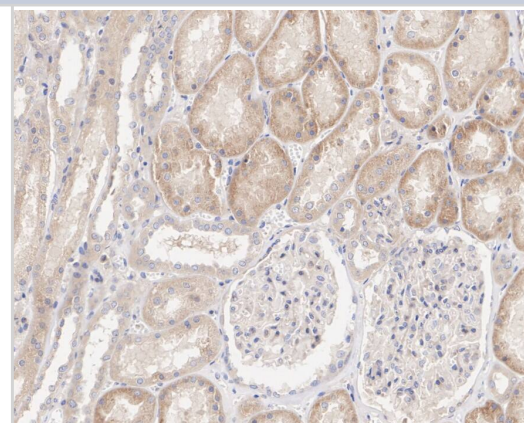
Product Description	
Host	Rabbit
Gene ID	5861
Gene Symbol	RAB1A
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within human Rab1A aa 156-205 / 205. (Uniprot: P62820)

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 1:100-1:200, Immunohistochemistry-Paraffin 1:200-1:1000

**Images**

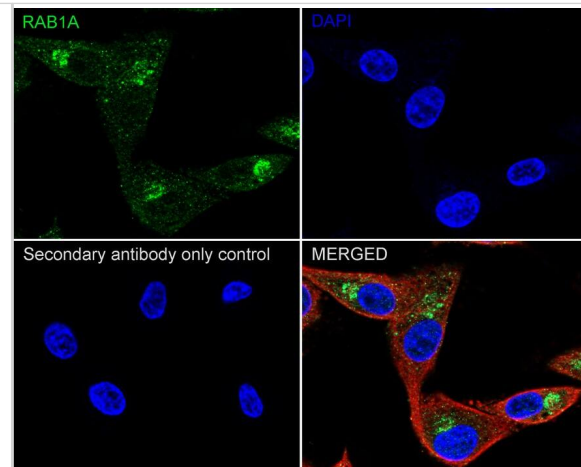
Immunohistochemistry: Rab1A Antibody (PSH03-62) [NBP3-32884] - Immunohistochemical analysis of paraffin-embedded human kidney tissue with Rabbit anti-Rab1A antibody (NBP3-32884) at 1/200 dilution.

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 (NBP3-32884) 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: Rab1A Antibody (PSH03-62) [NBP3-32884]** - Immunocytochemistry analysis of U-87 MG cells labeling Rab1A with Rabbit anti-Rab1A antibody (NBP3-32884) at 1/100 dilution.

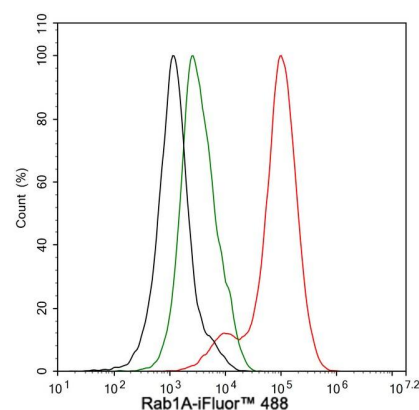
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Rab1A antibody (NBP3-32884) 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: Rab1A Antibody (PSH03-62) [NBP3-32884]** - Flow cytometric analysis of U-87 MG cells labeling Rab1A.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32884, 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: Rab1A Antibody (PSH03-62) [NBP3-32884] - Western blot analysis of Rab1A on different lysates with Rabbit anti-Rab1A antibody (NBP3-32884) at 1/2,000 dilution.

Lane 1: U-87 MG cell lysate

Lane 2: U-2 OS cell lysate

Lane 3: A549 cell lysate

Lane 4: HCT 116 cell lysate

Lane 5: NIH/3T3 cell lysate

Lane 6: C2C12 cell lysate

Lane 7: C6 cell lysate

Lane 8: Mouse brain tissue lysate

Lane 9: Mouse liver tissue lysate (low expression)

Lane 10: Rat brain tissue lysate

Lane 11: Rat liver tissue lysate (low expression)

Lysates/proteins at 20 µg/Lane.

Predicted band size: 23 kDa

Observed band size: 23 kDa

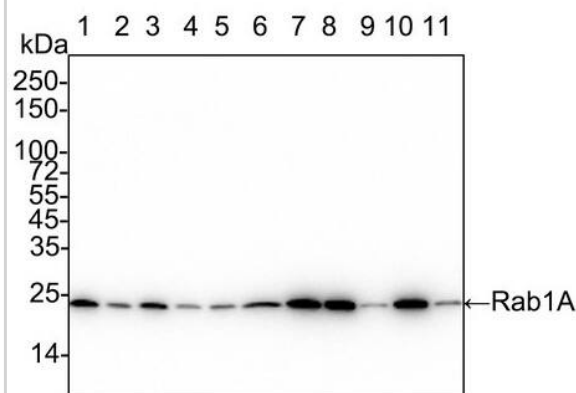
Exposure time:

Lane 1-11 (left): 10 seconds;

Lane 1-11 (right): 28 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 at 1/2,000 dilution was used in 5% NFDM/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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### **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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