

# Product Datasheet

## Tmp21/p23 Antibody (PSH01-41) NBP3-33031

Unit Size: 100 ul

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

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**NBP3-33031**

Tmp21/p23 Antibody (PSH01-41)

| 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                   | PSH01-41                                                                               |
| Preservative            | 0.05% Sodium Azide                                                                     |
| Isotype                 | IgG                                                                                    |
| Purity                  | Protein A purified                                                                     |
| Buffer                  | PBS (pH7.4), 0.1% BSA and 40% Glycerol                                                 |
| Target Molecular Weight | 25 kDa                                                                                 |

| Product Description |                                                                              |
|---------------------|------------------------------------------------------------------------------|
| Host                | Rabbit                                                                       |
| Gene ID             | 10972                                                                        |
| Gene Symbol         | TMED10                                                                       |
| Species             | Human, Mouse, Rat                                                            |
| Immunogen           | Recombinant protein within human Tmp21/p23 aa 1-200 / 219. (Uniprot: P49755) |

| Product Application Details |                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                 |
| Recommended Dilutions       | Western Blot 1:5000, Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:250, Immunohistochemistry-Paraffin 1:200 |



## Images

Western Blot: Tmp21/p23 Antibody (PSH01-41) [NBP3-33031] - Western blot analysis of Tmp21/p23 on different lysates with Rabbit anti-Tmp21/p23 antibody (NBP3-33031) at 1/5,000 dilution.

Lane 1: HeLa cell lysate (20 ug/Lane)  
 Lane 2: 293T cell lysate (20 ug/Lane)  
 Lane 3: Raji cell lysate (20 ug/Lane)  
 Lane 4: Jurkat cell lysate (20 ug/Lane)  
 Lane 5: HepG2 cell lysate (20 ug/Lane)  
 Lane 6: U-87 MG cell lysate (20 ug/Lane)  
 Lane 7: PC-12 cell lysate (20 ug/Lane)  
 Lane 8: Mouse pancreas tissue lysate (40 ug/Lane)  
 Lane 9: Rat pancreas tissue lysate (40 ug/Lane)  
 Lane 10: Rat liver tissue lysate (40 ug/Lane)

Predicted band size: 25 kDa  
 Observed band size: 19 kDa

Exposure time: 5 minutes 10 seconds;

4-20% SDS-PAGE gel.

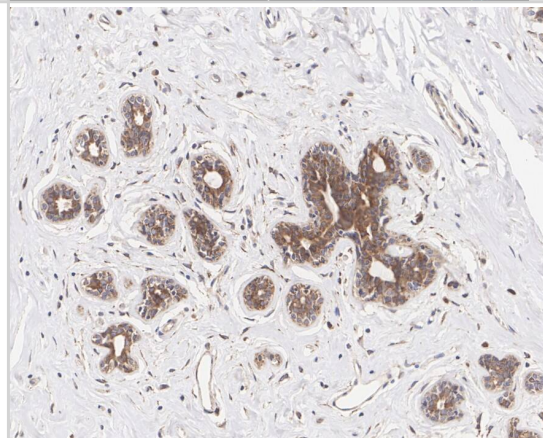
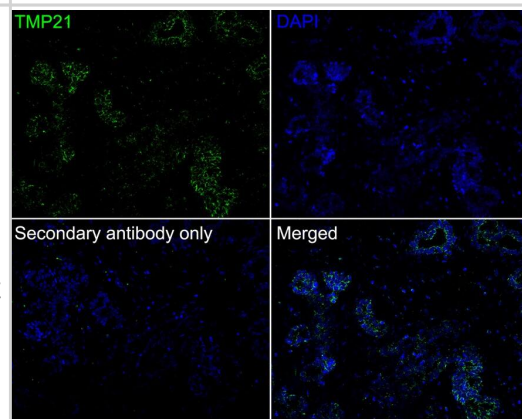
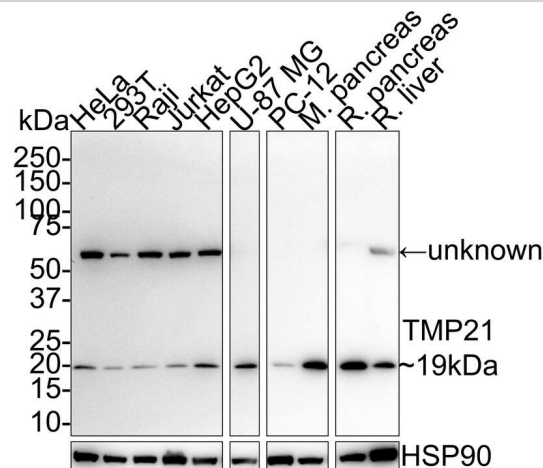
Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-33031) at 1/5,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: Tmp21/p23 Antibody (PSH01-41) [NBP3-33031] - Immunofluorescence analysis of paraffin-embedded human breast tissue labeling Tmp21/p23 with Rabbit anti-Tmp21/p23 antibody (NBP3-33031) 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 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-33031, green) at 1/200 dilution overnight at 4 °C, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).

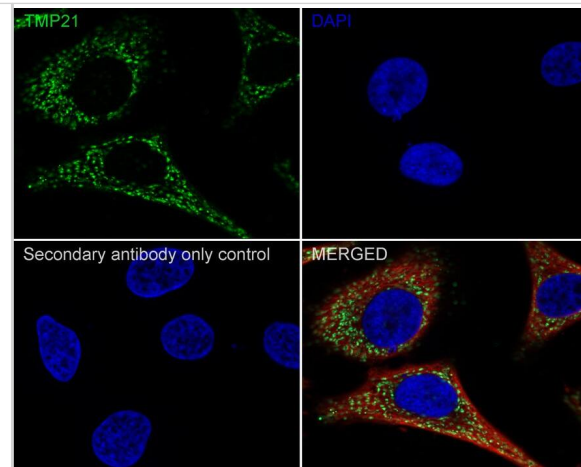
Immunohistochemistry: Tmp21/p23 Antibody (PSH01-41) [NBP3-33031] - Immunohistochemical analysis of paraffin-embedded human breast tissue with Rabbit anti-Tmp21/p23 antibody (NBP3-33031) at 1/200 dilution.

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 (NBP3-33031) 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: Tmp21/p23 Antibody (PSH01-41) [NBP3-33031]** - Immunocytochemistry analysis of HeLa cells labeling Tmp21/p23 with Rabbit anti-Tmp21/p23 antibody (NBP3-33031) at 1/250 dilution.

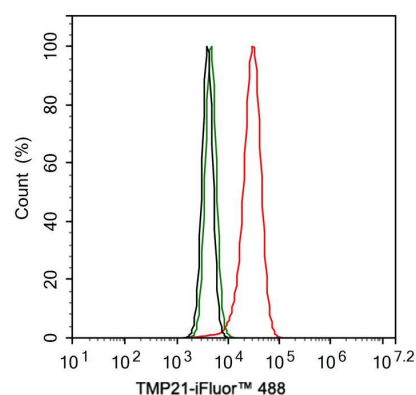
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Tmp21/p23 antibody (NBP3-33031) at 1/250 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: Tmp21/p23 Antibody (PSH01-41) [NBP3-33031]** - Flow cytometric analysis of HeLa cells labeling Tmp21/p23.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-33031, 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 NBP3-33031**

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|                |                                                     |
|----------------|-----------------------------------------------------|
| HAF008         | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160         | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891     | Rabbit IgG Isotype Control                          |
| NB110-57587PEP | Tmp21/p23 Antibody Blocking Peptide                 |

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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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