

# Product Datasheet

## TIMM22 Antibody (JE66-67)

### NBP3-33021

Unit Size: 100 ul

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

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**NBP3-33021**

TIMM22 Antibody (JE66-67)

| 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                   | JE66-67                                                                                |
| Preservative            | 0.05% Sodium Azide                                                                     |
| Isotype                 | IgG                                                                                    |
| Purity                  | Protein A purified                                                                     |
| Buffer                  | 1*TBS (pH7.4), 0.05% BSA and 40% Glycerol                                              |
| Target Molecular Weight | 20 kDa                                                                                 |

| Product Description |                                                                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description         | Novus Biologicals Rabbit TIMM22 Antibody (JE66-67) (NBP3-33021) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit                                                                                                                                                                                                            |
| Gene ID             | 29928                                                                                                                                                                                                             |
| Gene Symbol         | TIMM22                                                                                                                                                                                                            |
| Species             | Human, Mouse, Rat                                                                                                                                                                                                 |
| Immunogen           | Recombinant protein within Human TIMM22 aa 95-194 / 194. (Uniprot: Q9Y584)                                                                                                                                        |

| Product Application Details |                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry                           |
| Recommended Dilutions       | Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200-1:1000 |



## Images

Western Blot: TIMM22 Antibody (JE66-67) [NBP3-33021] - Western blot analysis of TIMM22 on different lysates with Rabbit anti-TIMM22 antibody (NBP3-33021) at 1/1,000 dilution.

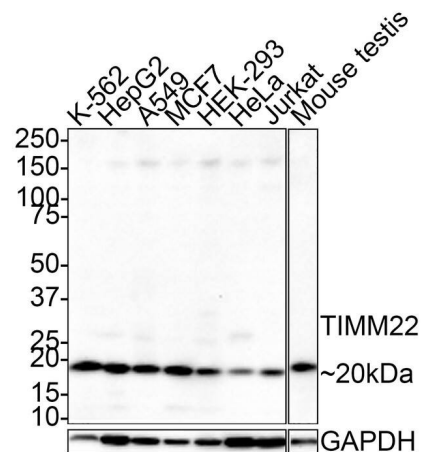
Lane 1: K-562 cell lysate (15 ug/Lane)  
 Lane 2: HepG2 cell lysate (15 ug/Lane)  
 Lane 3: A549 cell lysate (15 ug/Lane)  
 Lane 4: MCF7 cell lysate (15 ug/Lane)  
 Lane 5: HEK-293 cell lysate (15 ug/Lane)  
 Lane 6: HeLa cell lysate (15 ug/Lane)  
 Lane 7: Jurkat cell lysate (15 ug/Lane)  
 Lane 8: Mouse testis tissue lysate (30 ug/Lane)

Predicted band size: 20 kDa  
 Observed band size: 20 kDa

Exposure time: 3 minutes;

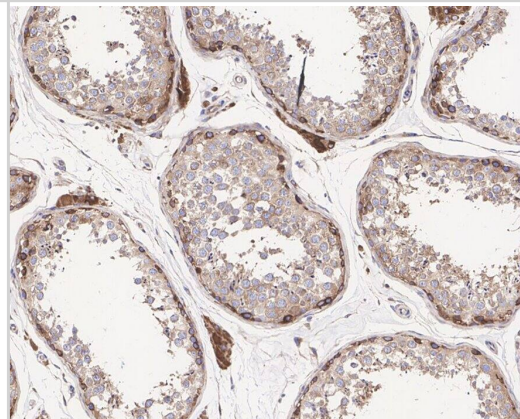
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-33021) 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 1:100,000 dilution was used for 1 hour at room temperature.



Immunohistochemistry: TIMM22 Antibody (JE66-67) [NBP3-33021] - Immunohistochemical analysis of paraffin-embedded human testis tissue with Rabbit anti-TIMM22 antibody (NBP3-33021) at 1/1,000 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 (NBP3-33021) 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: TIMM22 Antibody (JE66-67) [NBP3-33021] - Immunocytochemistry analysis of K-562 cells labeling TIMM22 with Rabbit anti-TIMM22 antibody (NBP3-33021) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-TIMM22 antibody (NBP3-33021) at 1/100 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/200 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 NBP3-33021**

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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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