

# Product Datasheet

## Mitofilin Antibody (PSH01-19) NBP3-32597

Unit Size: 100 ul

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

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**NBP3-32597**

Mitofilin Antibody (PSH01-19)

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	PSH01-19
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	84 kDa

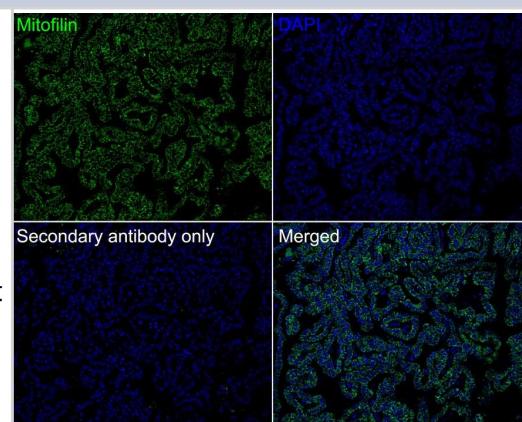
Product Description	
Description	Novus Biologicals Rabbit Mitofilin Antibody (PSH01-19) (NBP3-32597) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10989
Gene Symbol	IMMT
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human Mitofilin aa 151-400 / 758. (Uniprot: Q16891)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:100000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:250, Immunohistochemistry-Paraffin 1:1000

**Images**

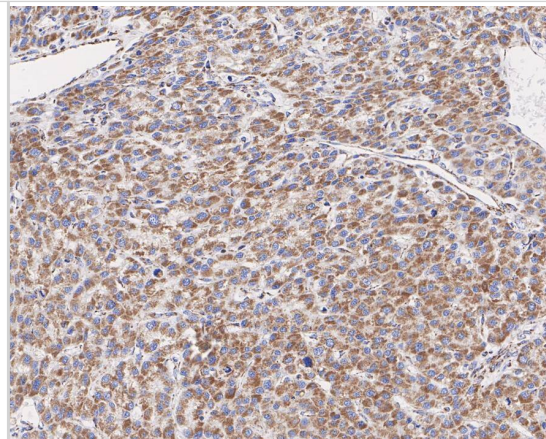
Immunohistochemistry: Mitofilin Antibody (PSH01-19) [NBP3-32597] - Immunofluorescence analysis of paraffin-embedded human thyroid carcinoma tissue labeling Mitofilin with Rabbit anti-Mitofilin antibody (NBP3-32597) at 1/200 dilution.

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 (NBP3-32597, 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).



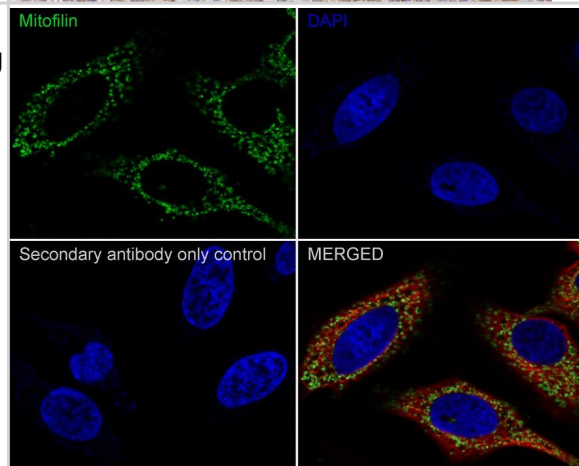
**Immunohistochemistry: Mitofilin Antibody (PSH01-19) [NBP3-32597]** - Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissue with Rabbit anti-Mitofilin antibody (NBP3-32597) at 1/1,000 dilution.

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 (NBP3-32597) 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: Mitofilin Antibody (PSH01-19) [NBP3-32597]** - Immunocytochemistry analysis of HeLa cells labeling Mitofilin with Rabbit anti-Mitofilin antibody (NBP3-32597) 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-Mitofilin antibody (NBP3-32597) 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.

**Western Blot: Mitofilin Antibody (PSH01-19) [NBP3-32597]** - Western blot analysis of Mitofilin on different lysates with Rabbit anti-Mitofilin antibody (NBP3-32597) at 1/100,000 dilution.

Lane 1: HeLa cell lysate  
Lane 2: Raji cell lysate  
Lane 3: HEK-293 cell lysate  
Lane 4: HepG2 cell lysate  
Lane 5: MCF7 cell lysate  
Lane 6: Saos-2 cell lysate

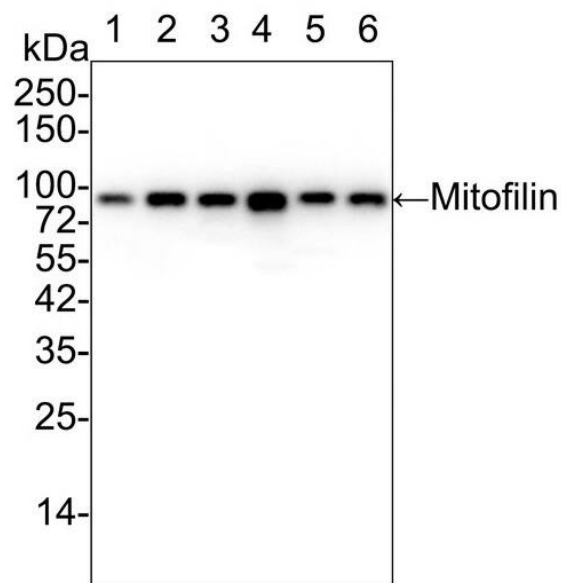
Lysates/proteins at 15 µg/Lane.

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

Exposure time: 21 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 at 1/100,000 dilution was used in 5% NFDN/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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### **Products Related to NBP3-32597**

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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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