

# Product Datasheet

## GRP75/HSPA9B/Mortalin Antibody (6-A9-R) NBP3-32407

Unit Size: 100 ul

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

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**NBP3-32407****GRP75/HSPA9B/Mortalin Antibody (6-A9-R)**

<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>	6-A9-R
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH7.4), 0.1% BSA and 40% Glycerol
<b>Target Molecular Weight</b>	74 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse GRP75/HSPA9B/Mortalin Antibody (6-A9-R) (NBP3-32407) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3313
<b>Gene Symbol</b>	HSPA9
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Synthetic peptide within human GRP75/HSPA9B/Mortalin aa 101-150. (Uniprot: P38646)

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:500



## Images

Western Blot: GRP75/HSPA9B/Mortalin Antibody (6-A9-R) [NBP3-32407] - Western blot analysis of GRP75/HSPA9B/Mortalin on different lysates with Mouse anti-GRP75/HSPA9B/Mortalin antibody (NBP3-32407) at 1/2,000 dilution.

Lane 1: HeLa cell lysate  
 Lane 2: K-562 cell lysate  
 Lane 3: HepG2 cell lysate  
 Lane 4: MCF7 cell lysate  
 Lane 5: NIH/3T3 cell lysate  
 Lane 6: Mouse liver tissue lysate  
 Lane 7: Rat liver tissue lysate  
 Lane 8: Mouse kidney tissue lysate  
 Lane 9: Rat kidney tissue lysate

Predicted band size: 74 kDa  
 Observed band size: 74 kDa

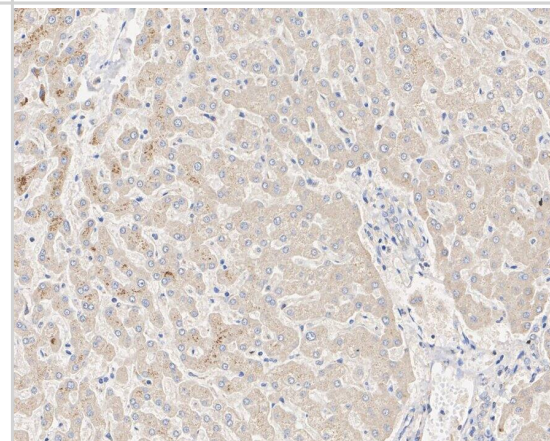
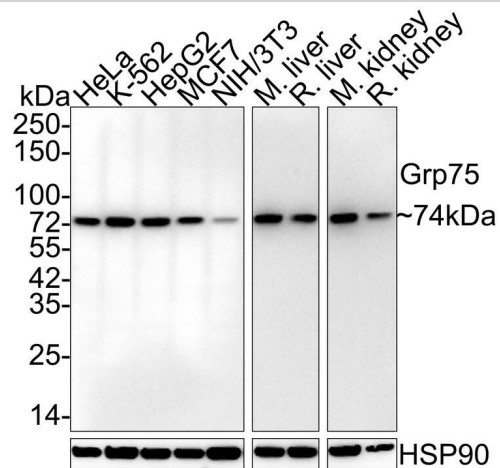
Exposure time: 3 minutes;

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 (NBP3-32407) at 1/2,000 dilution was used in 5% NFDM/TBST at 4 overnight. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: GRP75/HSPA9B/Mortalin Antibody (6-A9-R) [NBP3-32407] - Immunohistochemical analysis of paraffin-embedded human liver tissue with Mouse anti-GRP75/HSPA9B/Mortalin antibody (NBP3-32407) at 1/500 dilution.

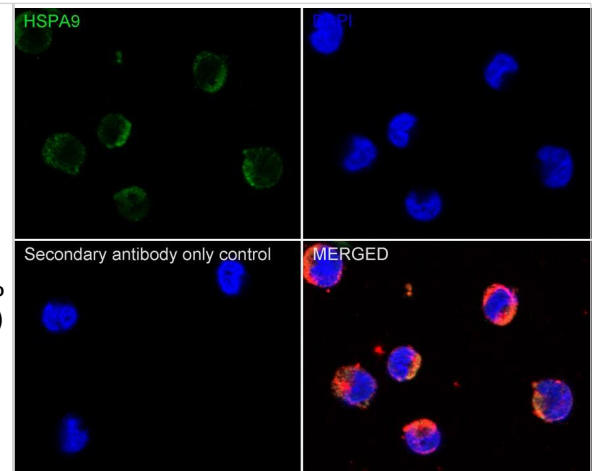
The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32407) at 1/500 dilution for 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: GRP75/HSPA9B/Mortalin Antibody (6-A9-R) [NBP3-32407] - Immunocytochemistry analysis of K-562 cells labeling GRP75/HSPA9B/Mortalin with Mouse anti-GRP75/HSPA9B/Mortalin antibody (NBP3-32407) at 1/100 dilution.

Cells were fixed in 80% precooled methanol 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 Mouse anti-GRP75/HSPA9B/Mortalin antibody (NBP3-32407) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse 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-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.





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### **Products Related to NBP3-32407**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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