

Product Datasheet

GRP78/HSPA5 Antibody (C9-9-R) NBP3-32408

Unit Size: 100 ul

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

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NBP3-32408**GRP78/HSPA5 Antibody (C9-9-R)**

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	C9-9-R
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	72 kDa

Product Description	
Description	Novus Biologicals Mouse GRP78/HSPA5 Antibody (C9-9-R) (NBP3-32408) 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	Mouse
Gene ID	3309
Gene Symbol	HSPA5
Species	Human, Mouse, Rat, Zebrafish
Immunogen	Recombinant protein within human GRP78 aa 100-400. (Uniprot: P11021)

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



Images

Western Blot: GRP78/HSPA5 Antibody (C9-9-R) [NBP3-32408] - Western blot analysis of GRP78/HSPA5 on different lysates with Mouse anti-GRP78/HSPA5 antibody (NBP3-32408) at 1/1,000 dilution.

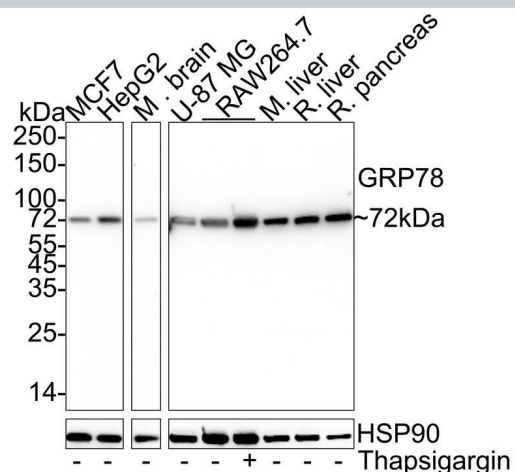
Lane 1: MCF7 cell lysate (15 ug/Lane)
 Lane 2: HepG2 cell lysate (15 ug/Lane)
 Lane 3: Mouse brain tissue lysate (30 ug/Lane)
 Lane 4: U-87 MG cell lysate (30 ug/Lane)
 Lane 5: RAW264.7 cell lysate (30 ug/Lane)
 Lane 6: RAW264.7 treated with 300nM Thapsigargin for 18 hours cell lysate (30 ug/Lane)
 Lane 7: Mouse liver tissue lysate (30 ug/Lane)
 Lane 8: Rat liver tissue lysate (30 ug/Lane)
 Lane 9: Rat pancreas tissue lysate (30 ug/Lane)

Predicted band size: 72 kDa
 Observed band size: 72 kDa

Exposure time: Lane 1-3: 11 seconds; Lane 4-9: 4 seconds; ECL;

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 (NBP3-32408) at 1/1,000 dilution was used in 5% NFDM/TBST at 4 overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



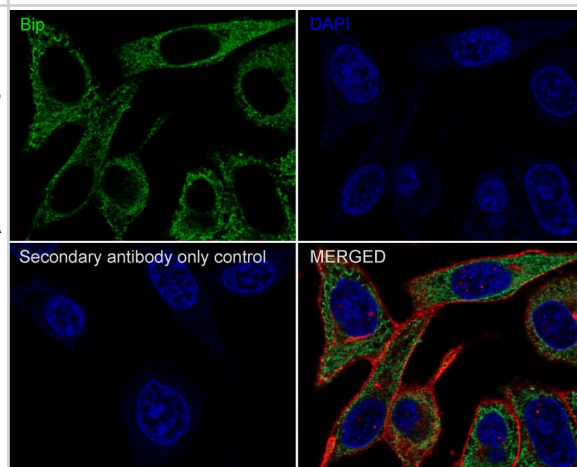
Immunohistochemistry: GRP78/HSPA5 Antibody (C9-9-R) [NBP3-32408] - Immunohistochemical analysis of paraffin-embedded rat brain tissue with Mouse anti-GRP78/HSPA5 antibody (NBP3-32408) at 1/200 dilution. ✘

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 ddH₂O and PBS, and then probed with the primary antibody (NBP3-32408) 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: GRP78/HSPA5 Antibody (C9-9-R) [NBP3-32408] - Immunocytochemistry analysis of Hela cells labeling GRP78/HSPA5 with Mouse anti-GRP78/HSPA5 antibody (NBP3-32408) at 1/200 dilution.

Cells were fixed in 100% methanol for 10 minutes, permeabilized with 0.1% Triton X-100 in PBS for 15 minutes, and then blocked with 1% BSA for 30 minutes at room temperature. Cells were then incubated with Mouse anti-GRP78/HSPA5 antibody (NBP3-32408) at 1/200 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Mouse 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 1/100 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 NBP3-32408

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)

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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