

# Product Datasheet

## GRP78/HSPA5 Antibody (3C5-1A4) - BSA Free NBP2-59692

Unit Size: 100 ug

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

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**NBP2-59692**

GRP78/HSPA5 Antibody (3C5-1A4) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<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>	3C5-1A4
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.4), 50% Glycerol
<b>Target Molecular Weight</b>	78 kDa

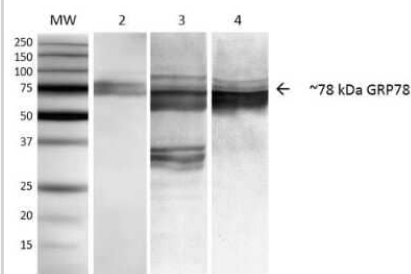
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	3309
<b>Gene Symbol</b>	HSPA5
<b>Species</b>	Human, Mouse, Rat
<b>Specificity/Sensitivity</b>	Detects approx 33 kDa protein.
<b>Immunogen</b>	Full-length recombinant rat GRP78

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:1000, ELISA, Immunocytochemistry/ Immunofluorescence 1:100
<b>Application Notes</b>	1 ug/mL of this antibody was sufficient for detection of GRP78 in 20 ug of HEK-293 lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

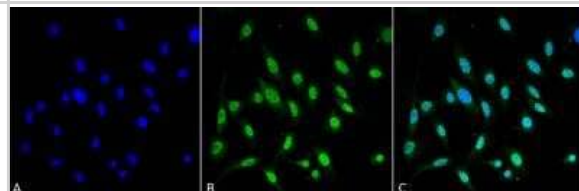


## Images

Western Blot: GRP78/HSPA5 Antibody (3C5-1A4) [NBP2-59692] - Analysis of Human, Mouse, Rat NIH3T3, Rat Brain, and HEK-293 cell lysates showing detection of ~78 kDa GRP78 protein using Mouse Anti-GRP78 Monoclonal Antibody, Clone 3C5-1A4. Lane 1: MW ladder. Lane 2: Mouse NIH3T3. Lane 3: Rat Brain. Lane 4: Human HEK-293. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Mouse Anti-GRP78 Monoclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: HRP Goat Anti-Mouse at 1:50 for 1 hour at RT. Color Development: TMB solution for 5 min at RT. Predicted/Observed Size: ~78 kDa.



Immunocytochemistry/Immunofluorescence: GRP78/HSPA5 Antibody (3C5-1A4) [NBP2-59692] - Mouse fibroblast cell line (NIH 3T3). Fixed in 4% Formaldehyde for 15 min at RT. Primary antibody at 1:100 for 60 min at RT. Secondary antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstained with DAPI (blue) nuclear stain at 1:5000 for 5 min RT. Localization: Nucleus. Magnification: 60X.





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### **Products Related to NBP2-59692**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00003309-P01-10ug	Recombinant Human GRP78/HSPA5 GST (N-Term) Protein

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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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