

Product Datasheet

GRP78/HSPA5 Antibody - BSA Free NBP2-16749

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-16749

GRP78/HSPA5 Antibody - BSA Free

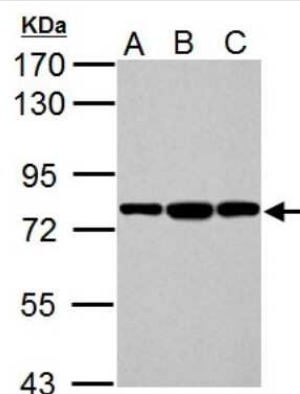
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	72 kDa

Product Description	
Description	Novus Biologicals Rabbit GRP78/HSPA5 Antibody - BSA Free (NBP2-16749) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GRP78/HSPA5 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3309
Gene Symbol	HSPA5
Species	Human, Mouse, Rat, Chicken
Reactivity Notes	Japanese Medaka (95%), Xenopus laevis (99%).
Marker	ER Stress Marker
Immunogen	Recombinant protein encompassing a sequence within the center region of human GRP78/HSPA5. The exact sequence is proprietary.

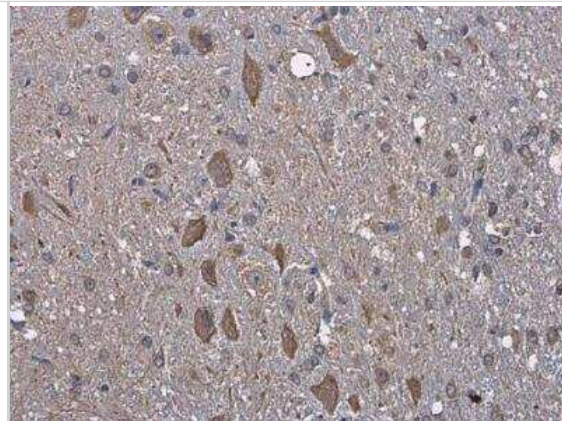
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:5000-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

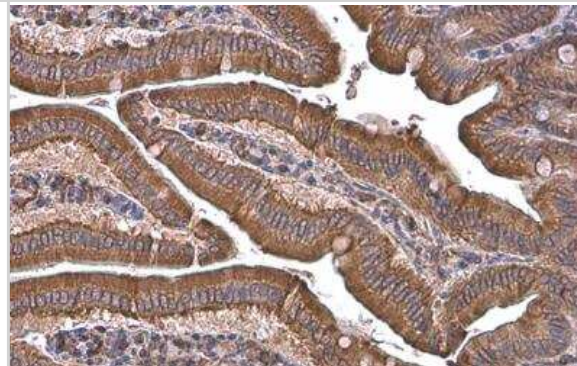
Western Blot: GRP78 Antibody [NBP2-16749] - Sample (30 ug of whole cell lysate) A: NIH-3T3 B: JC C: BCL-1 7. 5% SDS PAGE gel, diluted at 1:10000.



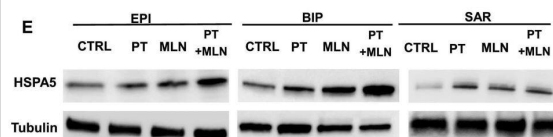
Immunohistochemistry-Paraffin: GRP78/HSPA5 Antibody [NBP2-16749]
- Rat brain. Grp78 antibody diluted at 1:250. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



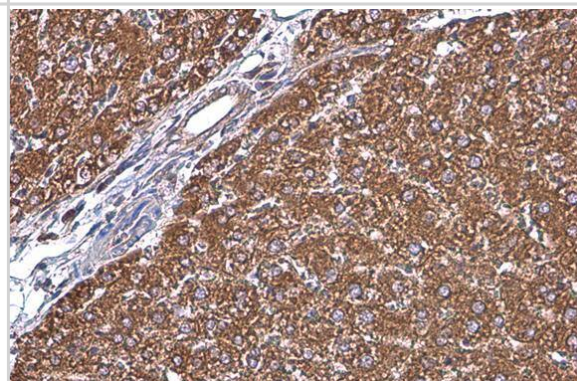
Immunohistochemistry-Paraffin: GRP78/HSPA5 Antibody [NBP2-16749]
- Mouse intestine. Grp78 stained by Grp78 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Western Blot: GRP78/HSPA5 Antibody [NBP2-16749] - GRP78/HSPA5 proteins were measured by immunoblotting in epithelioid (EPI BAP1+ UPN7), biphasic (BIP BAP1- UPN16) and sarcomatous (BAP1+ UPN22) MPM cells. Tubulin was used as a loading control. The figure is representative of 1 out of 3 experiments with similar results. Image collected and cropped by CiteAb from the following publication ([//pubmed.ncbi.nlm.nih.gov/35197103/](https://pubmed.ncbi.nlm.nih.gov/35197103/)) licensed under a CC-BY license.



Grp78 antibody detects Grp78 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded rat liver. Grp78 stained by Grp78 antibody (NBP2-16749) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

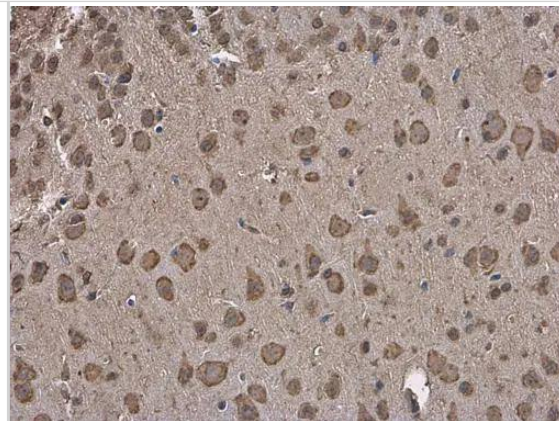


Grp78 antibody detects Grp78 protein at cytoplasm in mouse brain by immunohistochemical analysis.

Sample: Paraffin-embedded mouse brain.

Grp78 antibody (NBP2-16749) diluted at 1:250.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

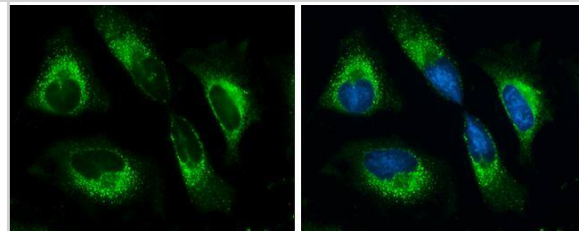


Grp78 antibody detects Grp78 protein at cytoplasm by immunofluorescent analysis.

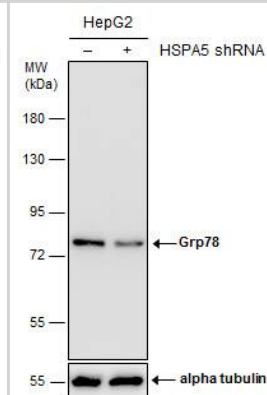
Sample: HeLa cells were fixed in ice-cold MeOH for 5 min.

Green: Grp78 protein stained by Grp78 antibody (NBP2-16749) diluted at 1:500.

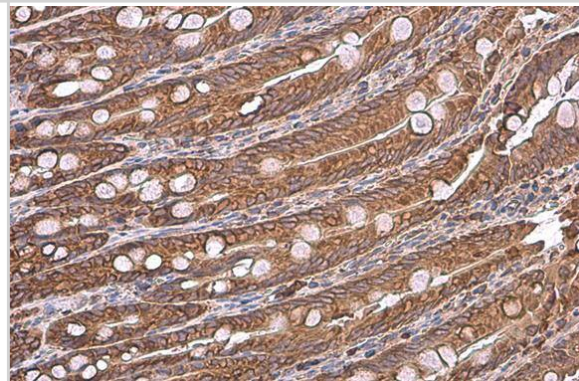
Blue: Hoechst 33342 staining.



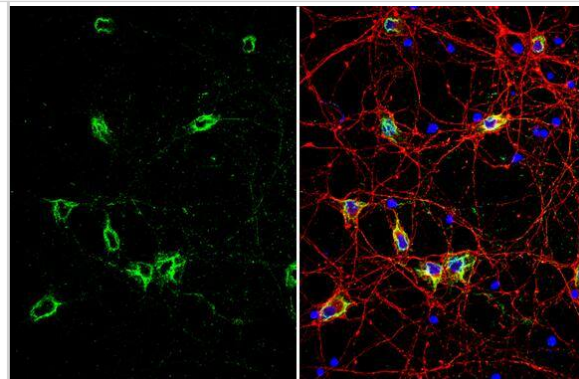
Non-transfected (-) and transfected (+) HepG2 whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Grp78 antibody (NBP2-16749) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



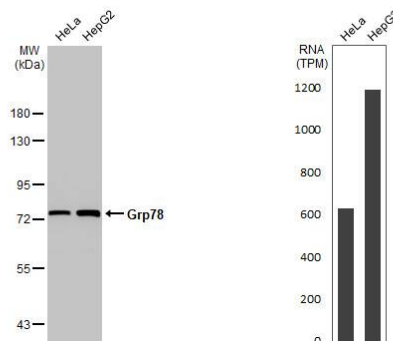
Grp78 antibody detects Grp78 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded rat duodenum. Grp78 stained by Grp78 antibody (NBP2-16749) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Grp78 antibody detects Grp78 protein by immunofluorescent analysis. Sample: DIV10 rat E18 primary cortical neuron cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Grp78 stained by Grp78 antibody (NBP2-16749) diluted at 1:500. Red: Tau, stained by Tau antibody [GT287] diluted at 1:500. Blue: Fluoroshield with DAPI .



Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Grp78 antibody (NBP2-16749) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



Grp78 antibody detects Grp78 protein by western blot analysis.

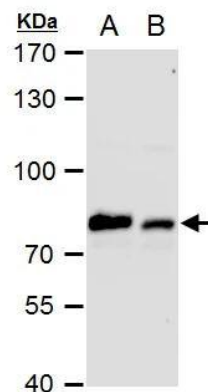
A. 30 ug PC-12 whole cell extract

B. 30 ug Rat2 whole cell extract

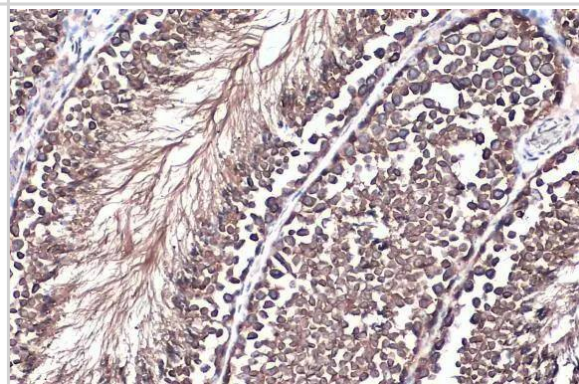
7.5% SDS-PAGE

Grp78 antibody (NBP2-16749) dilution: 1:10000

The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Grp78 antibody detects Grp78 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse testis. Grp78 stained by Grp78 antibody (NBP2-16749) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Publications

Salaroglio IC, Belisario DC, Bironzo P et al. SKP2 drives the sensitivity to neddylation inhibitors and cisplatin in malignant pleural mesothelioma Journal of experimental & clinical cancer research : CR 2022-02-23 [PMID: 35197103] (WB, Human)



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Products Related to NBP2-16749

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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