SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-HSPA5 Monoclonal Antibody

Catalog Number: SLA2547M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	9D16
GeneID:	3309
SWISS:	P11021
Target:	HSPA5
Immunogen:	A synthesized peptide derived from human GRP78 BiP
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	72 kDa
Subcellular Location:	Cytoplasm
Background:	Endoplasmic reticulum chaperone that plays a key role in protein folding and quality control in the endoplasmic reticulum lumen. Involved in the correct folding of proteins and degradation of misfolded proteins via its interaction with DNAJC10/ERdj5, probably to facilitate the release of DNAJC10/ERdj5 from its substrate.

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[VALIDATION IMAGES]

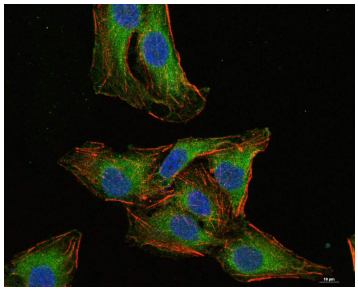


Figure 1. 4% Paraformaldehyde-fixed U-2 OS (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (GRP78/BiP (HSPA5)) monoclonal Antibody, unconjugated (SLA2547M) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min, then stained with Phalloidin/BF555 for 30 min at room temperature; DAPI (blue, C02-04002) was used to stain the cell nuclei.

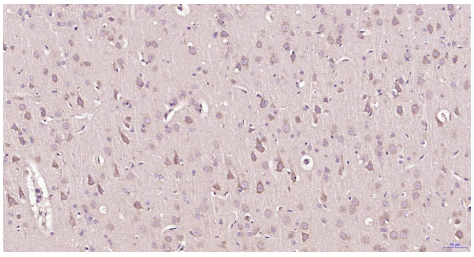


Figure 2. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GRP78 Monoclonal Antibody, Unconjugated(SLA2547M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

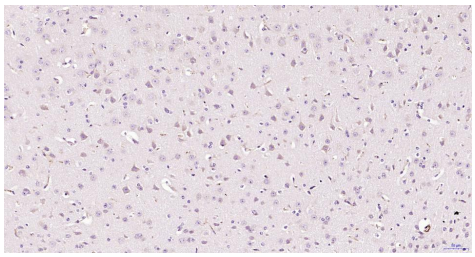


Figure 3. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GRP78 Monoclonal Antibody, Unconjugated(SLA2547M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

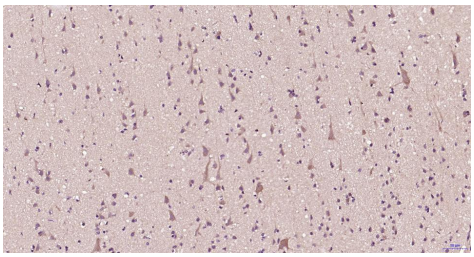


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GRP78 Monoclonal Antibody, Unconjugated(SLA2547M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

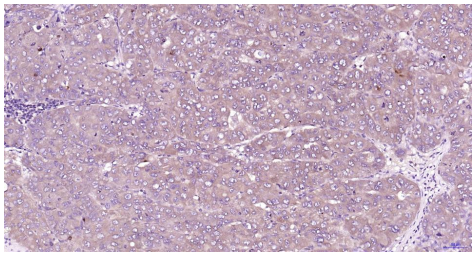


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GRP78 Monoclonal Antibody, Unconjugated(SLA2547M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

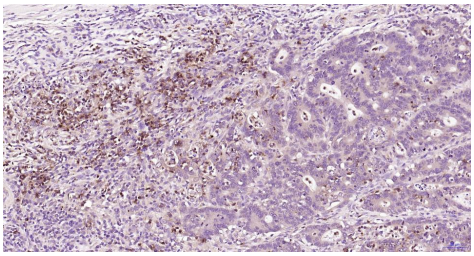


Figure 6. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GRP78 Monoclonal Antibody, Unconjugated(SLA2547M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

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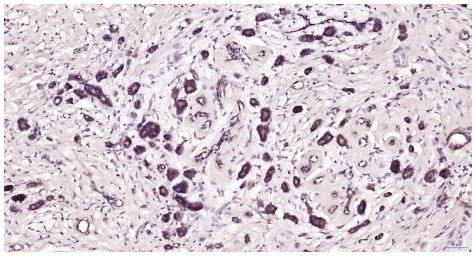


Figure 7. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GRP78 Monoclonal Antibody, Unconjugated(SLA2547M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

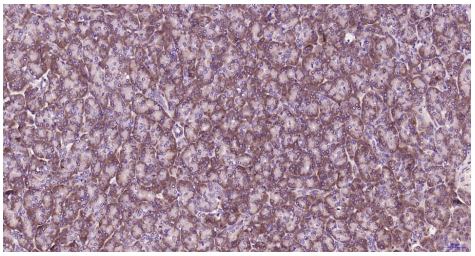


Figure 8. Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GRP78 Monoclonal Antibody, Unconjugated(SLA2547M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

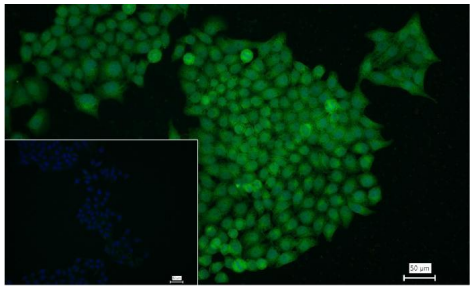


Figure 9. 4% Paraformaldehyde-fixed MCF-7 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (GRP78/Bip) monoclonal Antibody, unconjugated (SLA2547M) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.
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