SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Recombinant Rabbit Anti-LAMP2 Monoclonal Antibody

Catalog Number: SLA1316M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	9C18
GeneID:	3920
SWISS:	P13473
Target:	LAMP2
Immunogen:	A synthesized peptide derived from human LAMP2
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) IP (1:20-50) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	45 kDa
Subcellular Location:	Cytoplasm
Background:	Lysosomal membrane glycoprotein which plays an important role in lysosome biogenesis, lysosomal pH regulation and autophagy. Acts as an important regulator of lysosomal lumen pH regulation by acting as a direct inhibitor of the proton channel TMEM175, facilitating lysosomal acidification for optimal hydrolase activity.

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[VALIDATION IMAGES]

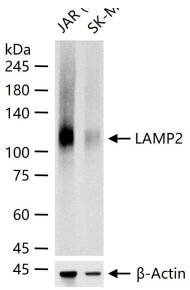


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with LAMP2 monoclonal antibody, unconjugated (SLA1316M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

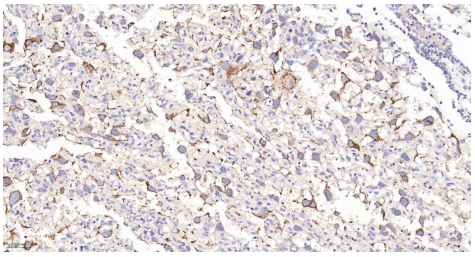


Figure 2. Paraformaldehyde-fixed, paraffin embedded Rat placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP2 Monoclonal Antibody, Unconjugated (SLA1316M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

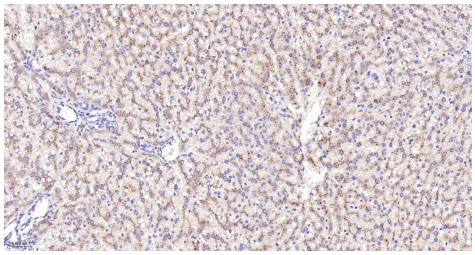


Figure 3. Paraformaldehyde-fixed, paraffin embedded Rat liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP2 Monoclonal Antibody, Unconjugated (SLA1316M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

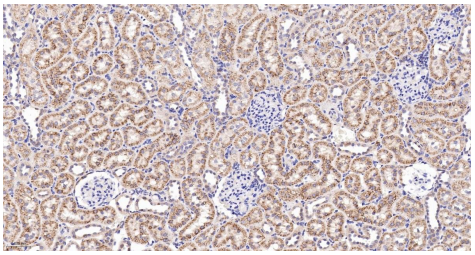


Figure 4. Paraformaldehyde-fixed, paraffin embedded Rat kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP2 Monoclonal Antibody, Unconjugated (SLA1316M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

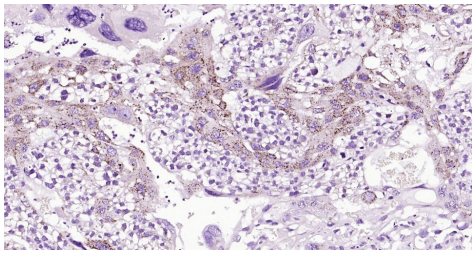


Figure 5. Paraformaldehyde-fixed, paraffin embedded Mouse placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP2 Monoclonal Antibody, Unconjugated (SLA1316M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

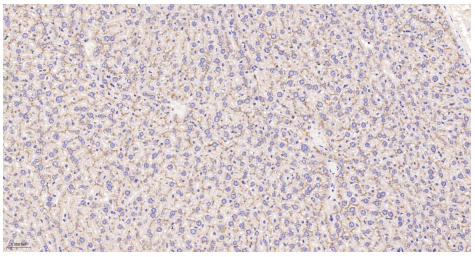


Figure 6. Paraformaldehyde-fixed, paraffin embedded Mouse liver ; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP2 Monoclonal Antibody, Unconjugated (SLA1316M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

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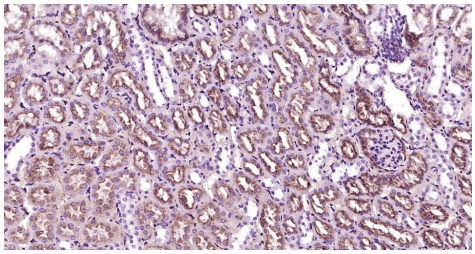


Figure 7. Paraformaldehyde-fixed, paraffin embedded Mouse kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP2 Monoclonal Antibody, Unconjugated (SLA1316M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

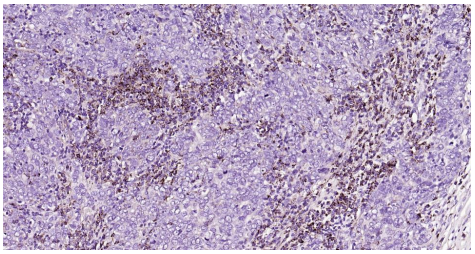


Figure 8. Paraformaldehyde-fixed, paraffin embedded Human thyroid cancer;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP2 Monoclonal Antibody, Unconjugated (SLA1316M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

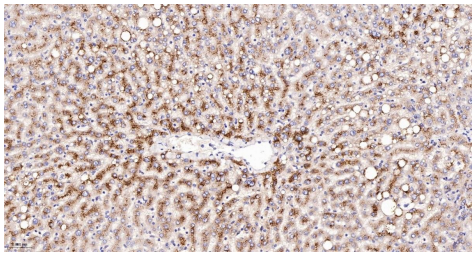


Figure 9. Paraformaldehyde-fixed, paraffin embedded Human liver;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP2 Monoclonal Antibody, Unconjugated (SLA1316M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

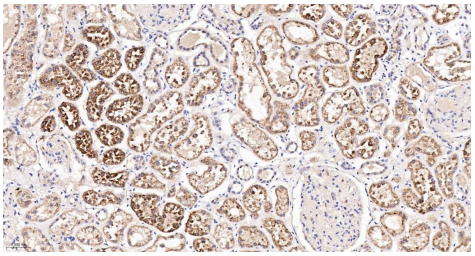


Figure 10. Paraformaldehyde-fixed, paraffin embedded Human kidney;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP2 Monoclonal Antibody, Unconjugated (SLA1316M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

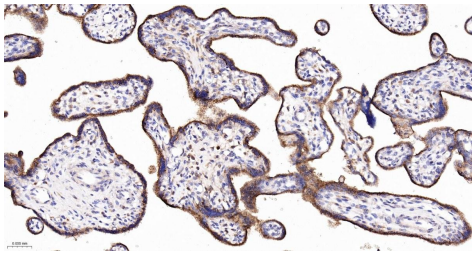


Figure 11. Paraformaldehyde-fixed, paraffin embedded Human placenta;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP2 Monoclonal Antibody, Unconjugated (SLA1316M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

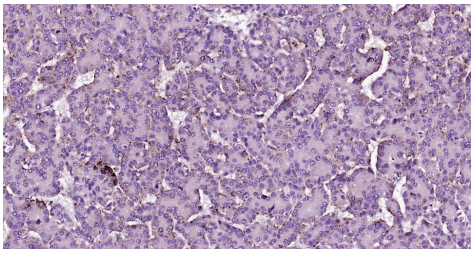


Figure 12. Paraformaldehyde-fixed, paraffin embedded Human liver cancer;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP2 Monoclonal Antibody, Unconjugated (SLA1316M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.
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