SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-LGALS3 Monoclonal Antibody

Catalog Number: SLA1216M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	5C5
GeneID:	3958
SWISS:	P17931
Target:	LGALS3
Immunogen:	A synthesized peptide derived from human Galectin 3
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:	WB (1:1000-5000) IHC-P (1:200-800) IHC-F (1:200-800) IF (1:200-800) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	29 kDa
Subcellular Location:	Nucleus
Background:	This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by

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	RefSeq, Oct 2014]

[VALIDATION IMAGES]

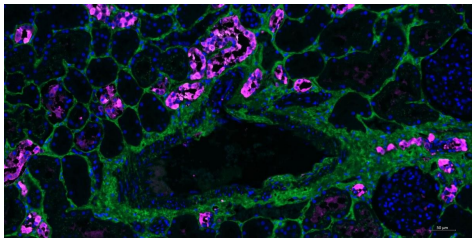


Figure 1. Paraformaldehyde-fixed, paraffin embedded Human kidney. Merged staining of anti- COL1A1 (SLA0972M; 1:200; green), anti- LGALS3 (SLA1216M; 1:200; pink).DAPI (dark blue) was used as a nuclear counter stain.

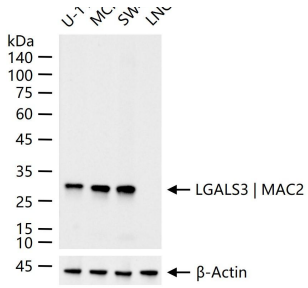


Figure 2. 25 ug total protein per lane of various lysates (see on figure) probed with LGALS3 | MAC2 monoclonal antibody, unconjugated (SLA1216M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

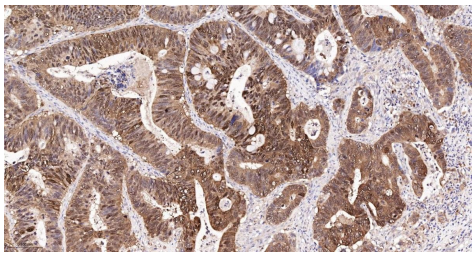


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated(SLA1216M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023)and DAB (C-0010) staining.

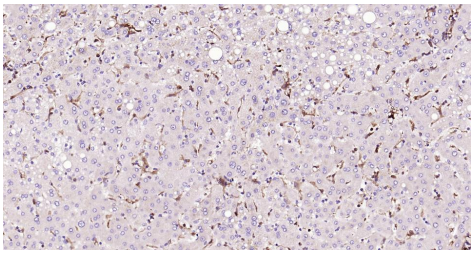


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated(SLA1216M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023)and DAB (C-0010) staining.

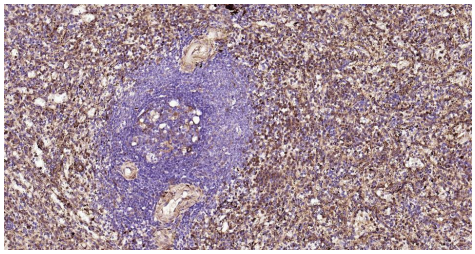


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated(SLA1216M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023)and DAB (C-0010) staining.

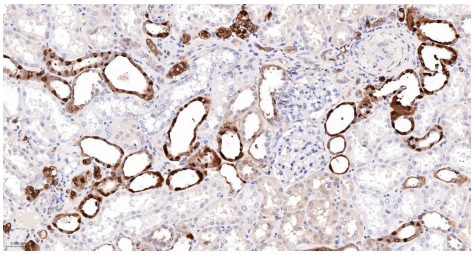


Figure 6. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated(SLA1216M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023)and DAB (C-0010) staining.

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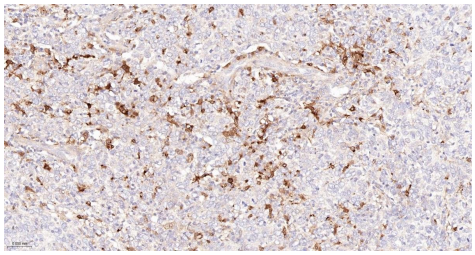


Figure 7. Paraformaldehyde-fixed, paraffin embedded Human Thyroid Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Galectin 3 Monoclonal Antibody, Unconjugated (SLA1216M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

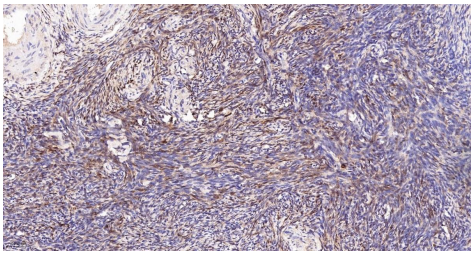


Figure 8. Paraformaldehyde-fixed, paraffin embedded Human Ovary; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated(SLA1216M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023)and DAB (C-0010) staining.

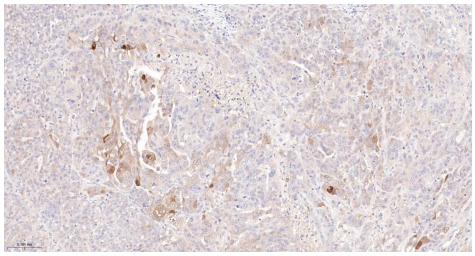


Figure 9. Paraformaldehyde-fixed, paraffin embedded Human Ovarian Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Galectin 3 Monoclonal Antibody, Unconjugated (SLA1216M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

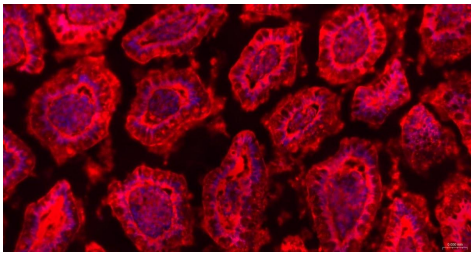


Figure 10. Paraformaldehyde-fixed, paraffin embedded Human small intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with Galectin 3 Monoclonal Antibody, Unconjugated (SLA1216M) at 1:200 overnight at 4°C, followed by a BF594 conjugated Goat Anti-Rabbit IgG antibody (SL0295G-BF594) for 90 minutes, and DAPI for nuclei staining.

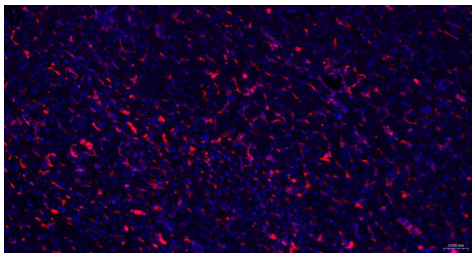


Figure 11. Paraformaldehyde-fixed, paraffin embedded Human liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with Galectin 3 Monoclonal Antibody, Unconjugated (SLA1216M) at 1:200 overnight at 4°C, followed by a BF594 conjugated Goat Anti-Rabbit IgG antibody (SL0295G-BF594) for 90 minutes, and DAPI for nuclei staining.
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