SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-COL1A1 Monoclonal Antibody

Catalog Number: SLA0428M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	3C2
GeneID:	1277
SWISS:	P02452
Target:	COL1A1
Immunogen:	KLH conjugated synthetic peptide derived from human Collagen I
Purification:	affinity purified by Protein G
Concentration:	1mg/ml
Storage:	Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS (pH7.4). 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) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	139 kDa
Background:	Collagens are highly conserved throughout evolution and are characterised by an uninterrupted "Glycine X Y" triplet repeat that is a necessary part of the triple helical structure. Type I collagen (95 kDa) is found in bone, cornea, skin and tendon. Mutations in the encoding gene are associated with osteogenesis imperfecta, Ehlers Danlos syndrome, and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for Platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

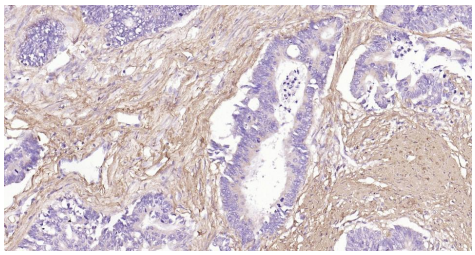


Figure 1. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Collagen I Monoclonal Antibody, Unconjugated(SLA0428M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.

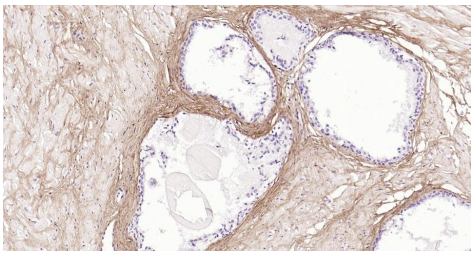


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Prostate; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Collagen I Monoclonal Antibody, Unconjugated(SLA0428M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.

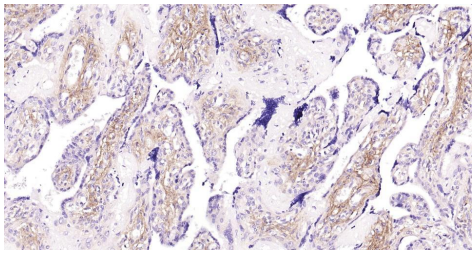


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Collagen I Monoclonal Antibody, Unconjugated(SLA0428M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.

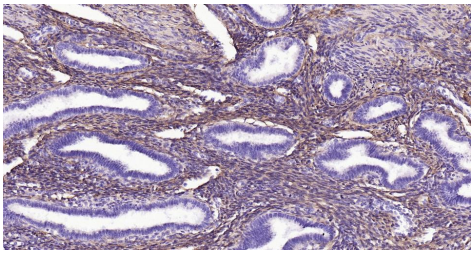


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Uterus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Collagen I Monoclonal Antibody, Unconjugated(SLA0428M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.

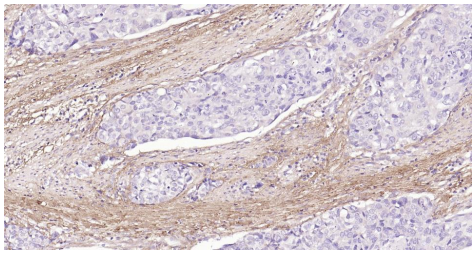


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Esophageal Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Collagen I Monoclonal Antibody, Unconjugated(SLA0428M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.
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