

Collagen I Mouse mAb
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Catalog # AP94120**Specification**

Collagen I Mouse mAb - Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P02452
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	138911

Collagen I Mouse mAb - Additional Information**Gene ID** 1277**Other Names**

Collagen alpha-1(I) chain, Alpha-1 type I collagen, COL1A1

Dilution

IHC-P~N/A
IHC-F~N/A
IF~1:50~200

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Collagen I Mouse mAb - Protein Information**Name** COL1A1**Function**

Type I collagen is a member of group I collagen (fibrillar forming collagen).

Cellular Location

Secreted, extracellular space, extracellular matrix {ECO:0000255|PROSITE-ProRule:PRU00793}

Tissue Location

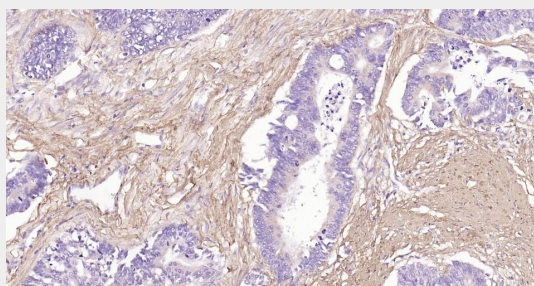
Forms the fibrils of tendon, ligaments and bones. In bones the fibrils are mineralized with calcium hydroxyapatite

Collagen I Mouse mAb - Protocols

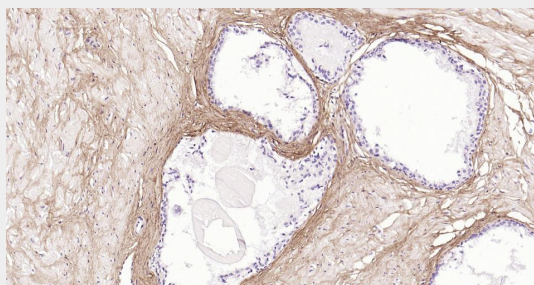
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

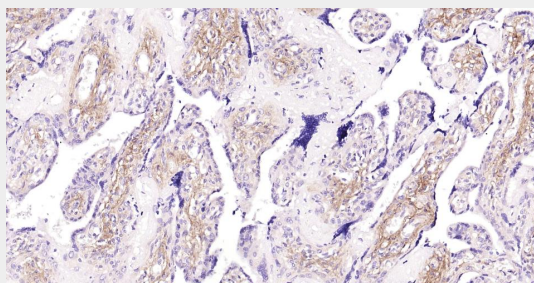
Collagen I Mouse mAb - Images



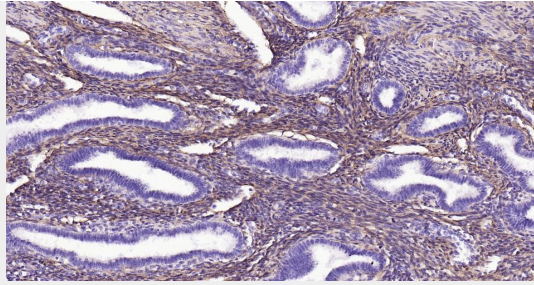
Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Collagen I Monoclonal Antibody, Unconjugated(AP94120) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.



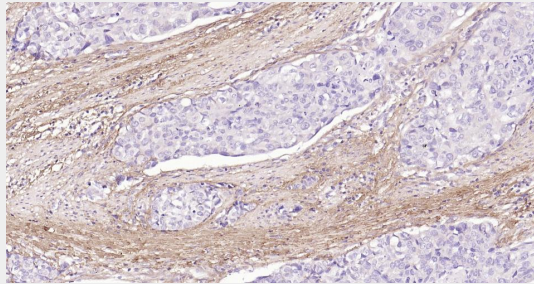
Paraformaldehyde-fixed, paraffin embedded Human Prostate; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Collagen I Monoclonal Antibody, Unconjugated(AP94120) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.



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(AP94120) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.



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(AP94120) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.



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(AP94120) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.

Collagen I Mouse mAb - Background

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