

**Anti-Collagen 1 alpha 1 Antibody**  
**Rabbit polyclonal antibody to Collagen 1 alpha 1**  
**Catalog # AP60156****Specification**

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**Anti-Collagen 1 alpha 1 Antibody - Product Information**

|                   |  |
|-------------------|--|
| Application       | WB, IHC                                |
| Primary Accession | <a href="#">P02452</a>                 |
| Other Accession   | <a href="#">P11087</a>                 |
| Reactivity        | Human, Mouse, Rat, Rabbit, Bovine, Dog |
| Host              | Rabbit                                 |
| Clonality         | Polyclonal                             |
| Calculated MW     | 138911                                 |

**Anti-Collagen 1 alpha 1 Antibody - Additional Information****Gene ID** 1277**Other Names**

Collagen alpha-1(I) chain; Alpha-1 type I collagen

**Target/Specificity**

Recognizes endogenous levels of Collagen 1 alpha 1 protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/100)

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-Collagen 1 alpha 1 Antibody - 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**

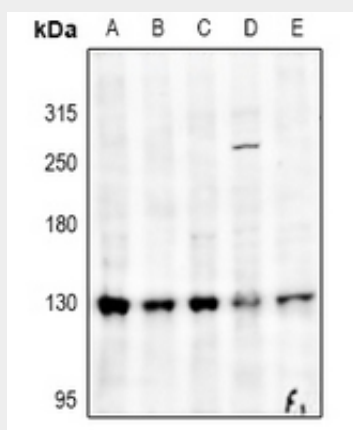
Forms the fibrils of tendon, ligaments and bones. In bones the fibrils are mineralized with calcium hydroxyapatite

## Anti-Collagen 1 alpha 1 Antibody - Protocols

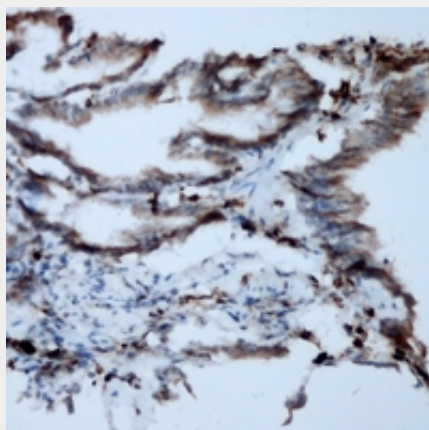
Provided below are standard protocols that you may find useful for product applications.

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

## Anti-Collagen 1 alpha 1 Antibody - Images



Western blot analysis of Collagen 1 alpha 1 expression in EC9706 (A), A375 (B), SGC7901 (C), Hela (D), HEK293T (E) whole cell lysates.



Immunohistochemical analysis of Collagen 1 alpha 1 staining in human lung formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

## Anti-Collagen 1 alpha 1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Collagen 1 alpha 1. The exact sequence is proprietary.