

**Anti-Collagen Type I (RABBIT) Antibody Peroxidase Conjugated**  
**Collagen Type I Antibody Peroxidase Conjugated**  
**Catalog # ASR5803****Specification****Anti-Collagen Type I (RABBIT) Antibody Peroxidase Conjugated - Product Information**

Host	Rabbit
Conjugate	Peroxidase (Horseradish)
Target Species	Mammalian
Reactivity	Rat, Human, Mouse, Bovine
Clonality	Polyclonal
Application	WB, IHC, E, IP, I, LCI
Application Note	Anti-COLLAGEN Type I Peroxidase Conjugated Antibody is suitable for western blot, immunoprecipitation, Flow Cytometry, and immunohistochemistry. Researchers should determine optimal titers for applications that are not stated below.
Physical State	Lyophilized
Buffer	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Immunogen	Collagen Type I from human and bovine placenta.
Reconstitution Volume	50 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Thimerosal

**Anti-Collagen Type I (RABBIT) Antibody Peroxidase Conjugated - Additional Information****Gene ID 1277****Other Names**  
1277**Purity**

This product has been prepared by immunoaffinity chromatography using immobilized antigens. Some class-specific anti-collagens may be specific for three-dimensional epitopes which may result in diminished reactivity with denatured collagen or formalin-fixed, paraffin embedded tissues. This antibody reacts with most mammalian Type I collagens and has expected cross-reactivity with Type III and negligible cross reactivity with Type II, IV, V or VI collagens. Non-specific cross-reaction of anti-collagen antibodies with other human serum proteins or non-collagen extracellular matrix proteins has not been tested.

**Storage Condition**

Store vial at 4° C prior to restoration. Restore with 0.05 mL of deionized water (or equivalent). For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and

thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-Collagen Type I (RABBIT) Antibody Peroxidase Conjugated - 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 Type I (RABBIT) Antibody Peroxidase Conjugated - 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 Type I (RABBIT) Antibody Peroxidase Conjugated - Images****Anti-Collagen Type I (RABBIT) Antibody Peroxidase Conjugated - Background**

COLLAGEN Type I Peroxidase Conjugated Antibody is specific for Collagen Type I. Collagen Type I (Type-I collagen) is the most abundant collagen of the human body. It is present in scar tissue, the end product when tissue heals by repair. It is also found in tendons, the endomysium of myofibrils and the organic part of bone. Anti-collagen Type I antibody is suitable for Cancer research and other general research.