

Collagen I Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251221

Unit: 0.1 mg

Description:

Type I collagen is present in connective tissue and bone where it makes up about 90% of the organic matrix. Defects in one or both alleles of the type I collagen gene causes "brittle bone disease" (osteogenesis imperfecta). Patients suffering from such defects have low levels of fully functional type I collagen resulting in fragile bones.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

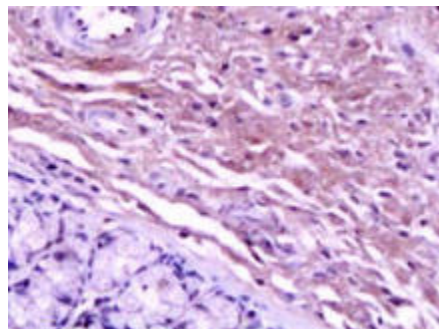
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol, 0.1 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A and immunogen affinity chromatography.

Alternate Names: Collagen I; Collagen Type I; Collagen alpha-1(I) chain; Alpha-1 type I collagen; COL1A1

Accession No.: P02452

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal propeptide region of human collagen I.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



Collagen I staining in rat colon. Formalin-fixed paraffin-embedded rat colon tissue is stained with Collagen I Antibody (Cat. No. 251221) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: [1] Kim H et al. 2012. Chemistry and Material Science. Biotechnology and Bioprocess Engineering. 17(3):465-474. PMID# 21142100. [2] Wu C et al. 2012. Elsevier. Process Biochemistry. 47(6):922-928.

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