

Collagen II Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250484

Unit: 0.1 mg

Description:

Type II collagen (COL2A1) is specific for cartilaginous tissues. Type II collagen is essential for the normal embryonic development of the skeleton, for linear growth and for the ability of cartilage to resist compressive forces. Defects in COL2A1 are the cause of a variety of chondrodysplasia including hypochondrogenesis and osteoarthritis.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: Ck, D, H, M, Rb, R

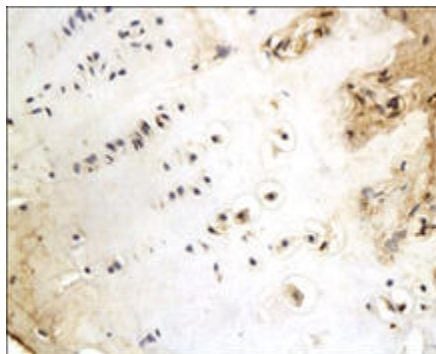
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Collagen alpha-1(II) chain; Alpha-1 type II collagen; chondrocalcin; COL2A1

Accession No.: P02458

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human type II collagen.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



Collagen II staining in sheep thorax. Paraffin-embedded sheep thorax is stained with Collagen II Antibody (Cat. No. 250484) 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] Qian H et al. 2013. Molecular and Cellular Biology. 33(4):661-677. PMID# 23184664. [2] Wu C et al. 2012. Elsevier. Process Biochemistry. 47(6):922-928.

For research use only, not for diagnostic or therapeutic procedures.