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Datasheet

COL1A2 polyclonal antibody

Catalog Number: PAB14345

Regulation Status: For research use only (RUO)

Product Description: Goat polyclonal antibody raised against native COL1A2.

Immunogen: Native human COL1A2.

Host: Goat

Reactivity: Human

Applications: Dot, ELISA, ICC, IHC-Fr, WB
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: Reacts with conformational determinants on human type I collagen as demonstrated by ELISA. May react with type I collagen from other species. Exhibits <10% cross reactivity with collagen type II, III, IV, V, VI. This antibody has not been tested for reactivity with other ECM proteins (e.g., laminin, fibronectin).

Form: Liquid

Recommend Usage: Immunocytochemistry (1:10-1:20)
Immunohistochemistry (1:10-1:20)
The optimal working dilution should be determined by the end user.

Storage Buffer: In 100 mM BBS, pH 8.2

Storage Instruction: Store at 4°C.

Entrez GeneID: 1278

Gene Symbol: COL1A2

Gene Alias: OI4

Gene Summary: This gene encodes the pro-alpha2 chain of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIB, recessive Ehlers-Danlos syndrome Classical type, idiopathic osteoporosis, and atypical Marfan syndrome. Symptoms associated with mutations in this gene, however, tend to be less severe than mutations in the gene for the alpha1 chain of type I collagen (COL1A1) reflecting the different role of alpha2 chains in matrix integrity. Three transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalgleish]