

COL1A2

Reactivity: Mouse Rat

Tested applications: WB

Recommended Dilution: WB 1:500 - 1:2000

Calculated MW: 130kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human COL1A2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

OI4;

Catalog #: A5786

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 1278

Isotype: IgG

Swiss Prot: P08123

Purity: Affinity purification

For research use only.

Background:

This gene encodes the pro- α 2 chain of type I collagen whose triple helix comprises two α 1 chains and one α 2 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 VIIIB, 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 α 1 chain of type I collagen (COL1A1) reflecting the different role of α 2 chains in matrix integrity. Three transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene.

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