

Collagen I Polyclonal Antibody

Catalog No.	IPB0253
Reactivity	Human; Mouse; Rat
Applications	WB; ELISA
Dilution	WB: 1:500-2000 ELISA: 1:10000-20000
Gene Name	COL1A2
Protein Name	Collagen alpha-2(I) chain (Alpha-2 type I collagen)
Human Gene Id	1278
Swiss-Prot	P08123
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Secreted, extracellular space, extracellular matrix
MW	-
Background	<p>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</p>

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