

## Collagen I Polyclonal Antibody

<b>Catalog No.</b>	IPB0257
<b>Reactivity</b>	Human; Mouse; Rat
<b>Applications</b>	WB; ELISA
<b>Dilution</b>	WB: 1:500-2000      ELISA: 1:10000-20000
<b>Gene Name</b>	COL1A2
<b>Protein Name</b>	Collagen I
<b>Human Gene Id</b>	1278
<b>Swiss-Prot</b>	P08123
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
<b>Source</b>	Rabbit
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
<b>Concentration</b>	1 mg/ml
<b>Storage&amp;Stability</b>	-20°C/1 year
<b>Subcellular Location</b>	Secreted, extracellular space, extracellular matrix
<b>MW</b>	-
<b>Background</b>	<p>This gene encodes the pro-<math>\alpha</math>2 chain of type I collagen whose triple helix comprises two <math>\alpha</math>1 chains and one <math>\alpha</math>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 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 <math>\alpha</math>1 chain of type I collagen (COL1A1) reflecting the different role of <math>\alpha</math>2 chains in matrix integrity Three transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene</p>

### Products Images:

