

**COL1A2 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11562a****Specification**

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**COL1A2 Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [P08123](#)

**COL1A2 Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID** 1278

**Other Names**

Collagen alpha-2(I) chain, Alpha-2 type I collagen, COL1A2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**COL1A2 Antibody (N-term) Blocking peptide - Protein Information**

**Name** COL1A2

**Function**

Type I collagen is a member of group I collagen (fibrillar forming collagen).

**Cellular Location**

Secreted, extracellular space, extracellular matrix {ECO:0000255|PROSITE-ProRule:PRU00793}

**Tissue Location**

Forms the fibrils of tendon, ligaments and bones. In bones the fibrils are mineralized with calcium hydroxyapatite

**COL1A2 Antibody (N-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**COL1A2 Antibody (N-term) Blocking peptide - Images**

**COL1A2 Antibody (N-term) Blocking peptide - Background**

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

**COL1A2 Antibody (N-term) Blocking peptide - References**

Blades, H.Z., et al. Bone 47(5):989-994(2010) Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Bozec, A., et al. J. Cell Biol. 190(6):1093-1106(2010) Cheung, M.S., et al. J. Bone Miner. Res. (2010) In press :