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COL1A2 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP11562a

Specification

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

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COL1A2 Antibody (N-term) Blocking peptide - Background

This gene encodes the pro-alpha2 chain of type I collagenwhose triple helix comprises two alpha1 chains and one alpha2chain. Type I is a fibril-forming collagen found in most connectivetissues and is abundant in bone, cornea, dermis and tendon.Mutations in this gene are associated with osteogenesis imperfectatypes I-IV, Ehlers-Danlos syndrome type VIIB, recessiveEhlers-Danlos syndrome Classical type, idiopathic osteoporosis, andatypical Marfan syndrome. Symptoms associated with mutations inthis gene, however, tend to be less severe than mutations in thegene for the alpha1 chain of type I collagen (COL1A1) reflectingthe different role of alpha2 chains in matrix integrity. Threetranscripts, resulting from the use of alternate polyadenylationsignals, 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 :