10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

COL1A1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP14490b

Specification

COL1A1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P02452

COL1A1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 1277

Other Names
Collagen alpha-1(I) chain, Alpha-1 type I collagen, COL1A1

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.

COL1A1 Antibody (C-term) Blocking Peptide - Protein Information

Name COL1A1

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

COL1A1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

COL1A1 Antibody (C-term) Blocking Peptide - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

COL1A1 Antibody (C-term) Blocking Peptide - Background

This gene encodes the pro-alpha1 chains 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 VIIA, Ehlers-Danlossyndrome Classical type, Caffey Disease and idiopathicosteoporosis. Reciprocal translocations between chromosomes 17 and22, where this gene and the gene for platelet-derived growth factorbeta are located, are associated with a particular type of skintumor called dermatofibrosarcoma protuberans, resulting fromunregulated expression of the growth factor. Two transcripts,resulting from the use of alternate polyadenylation signals, havebeen identified for this gene. [provided by R. Dalgleish].

COL1A1 Antibody (C-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) :Jin, H., et al. Osteoporos Int (2010) In press :Szczesny, G., et al. Arch Orthop Trauma Surg (2010) In press :Cheung, M.S., et al. J. Bone Miner. Res. (2010) In press :