

COL10A1 Antibody(N-term) Blocking peptide
Synthetic peptide
Catalog # BP19393a**Specification**

COL10A1 Antibody(N-term) Blocking peptide - Product InformationPrimary Accession [Q03692](#)**COL10A1 Antibody(N-term) Blocking peptide - Additional Information****Gene ID** 1300**Other Names**

Collagen alpha-1(X) chain, COL10A1

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.

COL10A1 Antibody(N-term) Blocking peptide - Protein Information**Name** COL10A1**Function**

Type X collagen is a product of hypertrophic chondrocytes and has been localized to presumptive mineralization zones of hyaline cartilage.

Cellular Location

Secreted, extracellular space, extracellular matrix

COL10A1 Antibody(N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

COL10A1 Antibody(N-term) Blocking peptide - Images**COL10A1 Antibody(N-term) Blocking peptide - Background**

This gene encodes the alpha chain of type X collagen, a short chain collagen expressed by

hypertrophic chondrocytes during endochondral ossification. Unlike type VIII collagen, the other short chain collagen, type X collagen is a homotrimer. Mutations in this gene are associated with Schmid type metaphyseal chondrodysplasia (SMCD) and Japanese type spondylometaphyseal dysplasia (SMD).

COL10A1 Antibody(N-term) Blocking peptide - References

Makitie, O., et al. J. Orthop. Res. 28(11):1497-1501(2010) Wang, S., et al. Connect. Tissue Res. 51(3):188-196(2010) Videman, T., et al. Arthritis Rheum. 60(2):470-481(2009) Higashikawa, A., et al. Arthritis Rheum. 60(1):166-178(2009) Zimmermann, P., et al. Arthritis Rheum. 58(9):2743-2753(2008)