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

COL3A1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP14172b

Specification

COL3A1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P02461

COL3A1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 1281

Other Names
Collagen alpha-1(III) chain, COL3A1

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.

COL3A1 Antibody (C-term) Blocking Peptide - Protein Information

Name COL3A1

Function
Collagen type III occurs in most soft connective tissues along with type I collagen. Involved in regulation of cortical development. Is the major ligand of ADGRG1 in the developing brain and binding to ADGRG1 inhibits neuronal migration and activates the RhoA pathway by coupling ADGRG1 to GNA13 and possibly GNA12.

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

COL3A1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

COL3A1 Antibody (C-term) Blocking Peptide - Images

COL3A1 Antibody (C-term) Blocking Peptide - Background

This gene encodes the pro-alpha1 chains of type IIIcollagen, a fibrillar collagen that is found in extensibleconnective tissues such as skin, lung, uterus, intestine and thevascular system, frequently in association with type I collagen.Mutations in this gene are associated with Ehlers-Danlos syndrometypes IV, and with aortic and arterial aneurysms. Two transcripts,resulting from the use of alternate polyadenylation signals, havebeen identified for this gene. [provided by R. Dalgleish].

COL3A1 Antibody (C-term) Blocking Peptide - References

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Romero, R., et al. Am. J. Obstet. Gynecol. 202 (5), 431 (2010) :Taddese, S., et al. Biochim. Biophys. Acta 1804(4):731-739(2010)Jung, S.M., et al. Platelets 21(2):101-111(2010)