

**COL3A1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14172b****Specification**

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**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- $\alpha 1$  chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been 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)