

**COL5A1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP10487a****Specification**

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**COL5A1 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [P20908](#)  
Other Accession [NP\\_000084.3](#)

**COL5A1 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 1289

**Other Names**

Collagen alpha-1(V) chain, COL5A1

**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.

**COL5A1 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** COL5A1

**Function**

Type V collagen is a member of group I collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V collagen binds to DNA, heparan sulfate, thrombospondin, heparin, and insulin.

**Cellular Location**

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

**COL5A1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**COL5A1 Antibody (N-term) Blocking Peptide - Images****COL5A1 Antibody (N-term) Blocking Peptide - Background**

COL5A1 encodes an alpha chain for one of the lowabundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. COL5A1 product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II. [provided by RefSeq].

#### **COL5A1 Antibody (N-term) Blocking Peptide - References**

Vitart, V., et al. Hum. Mol. Genet. 19(21):4304-4311(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) Posthumus, M., et al. Med Sci Sports Exerc (2010) In press :Borck, G., et al. Am. J. Med. Genet. A 152A (8), 2090-2093 (2010) :