

**COL5A2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7358a****Specification**

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**COL5A2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P05997](#)**COL5A2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 1290**Other Names**

Collagen alpha-2(V) chain, COL5A2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7358a](/products/AP7358a) was selected from the N-term region of human COL5A2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**COL5A2 Antibody (N-term) Blocking Peptide - Protein Information****Name** COL5A2**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. Type V collagen is a key determinant in the assembly of tissue-specific matrices (By similarity).

**Cellular Location**

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

**COL5A2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **COL5A2 Antibody (N-term) Blocking Peptide - Images**

#### **COL5A2 Antibody (N-term) Blocking Peptide - Background**

COL5A2 is an alpha chain for one of the low abundance 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. This protein 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.

#### **COL5A2 Antibody (N-term) Blocking Peptide - References**

Menon,R., Reprod. Biol. Endocrinol. 7 (1), 62 (2009)Videman,T., Arthritis Rheum. 60 (2), 470-481 (2009)Segev,F., Invest. Ophthalmol. Vis. Sci. 47 (2), 565-573 (2006)