

**COL6A1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6587b****Specification**

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**COL6A1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P12109](#)**COL6A1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 1291**Other Names**

Collagen alpha-1(VI) chain, COL6A1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6587b](/products/AP6587b) was selected from the C-term region of human COL6A1. 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.

**COL6A1 Antibody (C-term) Blocking Peptide - Protein Information****Name** COL6A1**Function**

Collagen VI acts as a cell-binding protein.

**Cellular Location**

Secreted, extracellular space, extracellular matrix

**COL6A1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**COL6A1 Antibody (C-term) Blocking Peptide - Images****COL6A1 Antibody (C-term) Blocking Peptide - Background**

The collagens are a superfamily of proteins that play a role in maintaining the integrity of various tissues. Collagens are extracellular matrix proteins and have a triple-helical domain as their common structural element. Collagen VI is a major structural component of microfibrils. The basic structural unit of collagen VI is a heterotrimer of the alpha1(VI), alpha2(VI), and alpha3(VI) chains. The protein COL6A1 is the alpha 1 subunit of type VI collagen (alpha1(VI) chain). Mutations in the genes that code for the collagen VI subunits result in the autosomal dominant disorder, Bethlem myopathy.

**COL6A1 Antibody (C-term) Blocking Peptide - References**

Martoni,E., Hum. Mutat. 30 (5), E662-E672 (2009)Kim,T.H., J. Rheumatol. 35 (9), 1849-1852 (2008)Fujita,A., Genet. Mol. Res. 7 (2), 371-378 (2008)