

**COL18A1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8852a****Specification**

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**COL18A1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P39060](#)**COL18A1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 80781**Other Names**

Collagen alpha-1(XVIII) chain, Endostatin, COL18A1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8852a](/products/AP8852a) was selected from the N-term region of human COL18A1. 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.

**COL18A1 Antibody (N-term) Blocking Peptide - Protein Information****Name** COL18A1 ([HGNC:2195](#))**Function**

Probably plays a major role in determining the retinal structure as well as in the closure of the neural tube.

**Cellular Location**

Secreted, extracellular space, extracellular matrix. Secreted, extracellular space, extracellular matrix, basement membrane {ECO:0000250|UniProtKB:P39061} [Endostatin]: Secreted. Secreted, extracellular space, extracellular matrix, basement membrane

**Tissue Location**

Detected in placenta (at protein level) (PubMed:32337544). Present in multiple organs with highest levels in liver, lung and kidney.

**COL18A1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**COL18A1 Antibody (N-term) Blocking Peptide - Images****COL18A1 Antibody (N-term) Blocking Peptide - Background**

COL18A1 is encoding the alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. The proteolytically produced C-terminal fragment of type XVIII collagen is endostatin, a potent antiangiogenic protein.

**COL18A1 Antibody (N-term) Blocking Peptide - References**

Fu,Y.,et.al., Biochemistry 48 (49), 11655-11663 (2009)