

**COL18A1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8852a**

**Specification**

---

**COL18A1 Antibody (N-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">P39060</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	178188
Antigen Region	237-263

**COL18A1 Antibody (N-term) - Additional Information**

**Gene ID** 80781

**Other Names**

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

**Target/Specificity**

This COL18A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 237-263 amino acids from the N-terminal region of human COL18A1.

**Dilution**

WB~~1:1000

FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

COL18A1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**COL18A1 Antibody (N-term) - 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

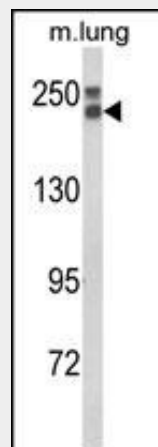
Detected in placenta (at protein level) (PubMed:32337544). Present in multiple organs with highest levels in liver, lung and kidney.

### COL18A1 Antibody (N-term) - Protocols

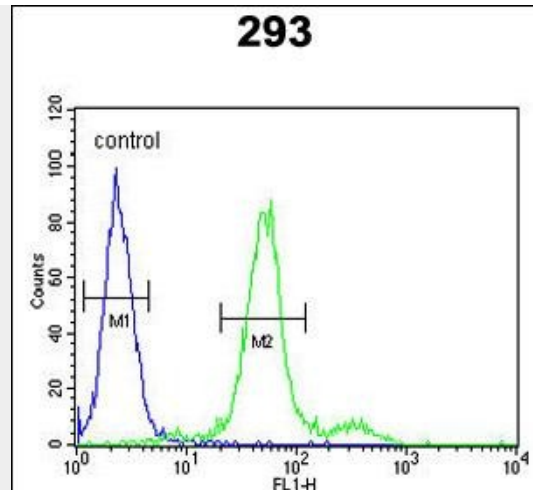
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### COL18A1 Antibody (N-term) - Images



Western blot analysis of COL18A1 Antibody (N-term) (Cat. #AP8852a) in mouse lung tissue lysates (35ug/lane). COL18A1 (arrow) was detected using the purified Pab.



COL18A1 Antibody (N-term) (Cat. #AP8852a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **COL18A1 Antibody (N-term) - 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) - References**

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