

**COL4A2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11454a**

**Specification**

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**COL4A2 Antibody (N-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">P08572</a>
Other Accession	<a href="#">NP_001837.2</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	167553
Antigen Region	156-186

**COL4A2 Antibody (N-term) - Additional Information**

**Gene ID** 1284

**Other Names**

Collagen alpha-2(IV) chain, Canstatin, COL4A2

**Target/Specificity**

This COL4A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-186 amino acids from the N-terminal region of human COL4A2.

**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**

COL4A2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**COL4A2 Antibody (N-term) - Protein Information**

**Name** COL4A2 ([HGNC:2203](#))

**Function** Type IV collagen is the major structural component of glomerular basement membranes

(GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen.

#### Cellular Location

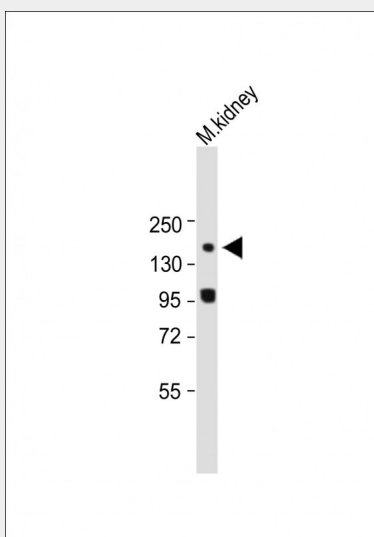
Secreted, extracellular space, extracellular matrix, basement membrane

#### COL4A2 Antibody (N-term) - Protocols

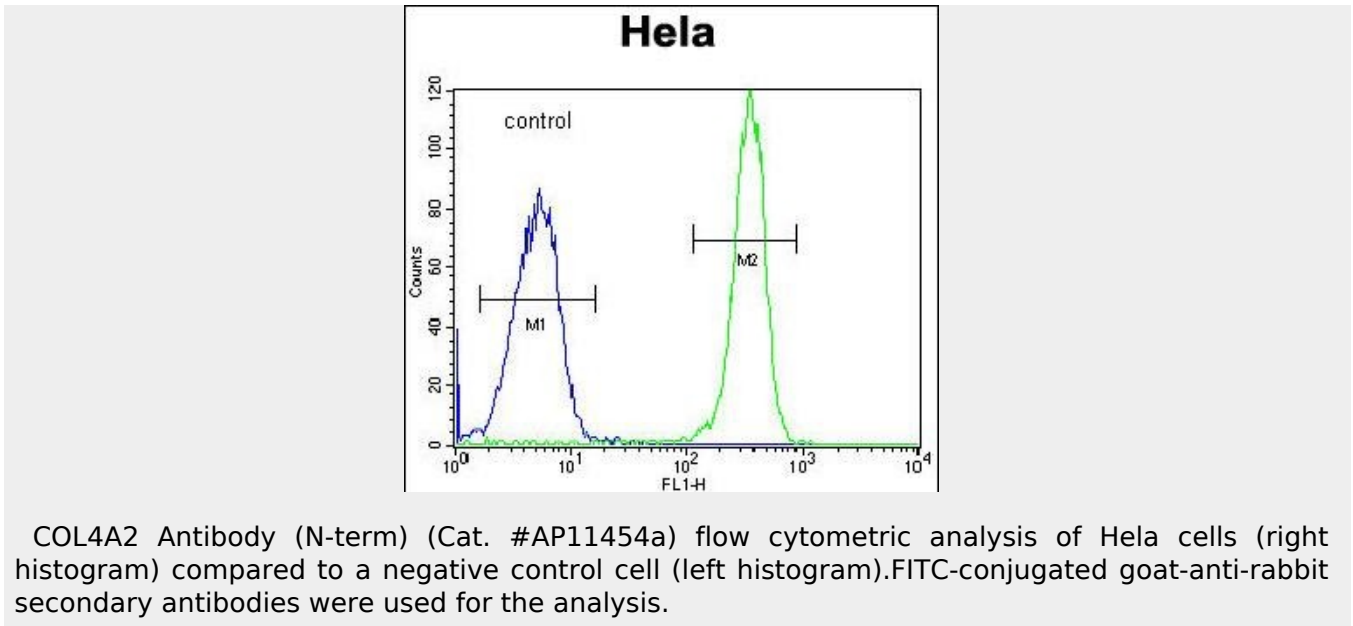
Provided below are standard protocols that you may find useful for product applications.

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

#### COL4A2 Antibody (N-term) - Images



Anti-COL4A2 Antibody (N-term) at 1:1000 dilution + Mouse kidney whole tissue lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated  
at 1/10000 dilution. Predicted band size : 168 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



COL4A2 Antibody (N-term) (Cat. #AP11454a) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### COL4A2 Antibody (N-term) - Background

This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. The C-terminal portion of the protein, known as canstatin, is an inhibitor of angiogenesis and tumor growth. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene so that each gene pair shares a common promoter.

### COL4A2 Antibody (N-term) - References

Bianchini, G., et al. J. Clin. Oncol. 28(28):4316-4323(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)  
Romero, R., et al. Am. J. Obstet. Gynecol. 202 (5), 431 (2010) :  
Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010)

### COL4A2 Antibody (N-term) - Citations

- [Turbulence Activates Platelet Biogenesis to Enable Clinical Scale Ex Vivo Production.](#)