

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

Specification

COL4A2 Antibody (N-term) - Product Information

Application	WB, FC,E
Primary Accession	P08572
Other Accession	NP_001837.2
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

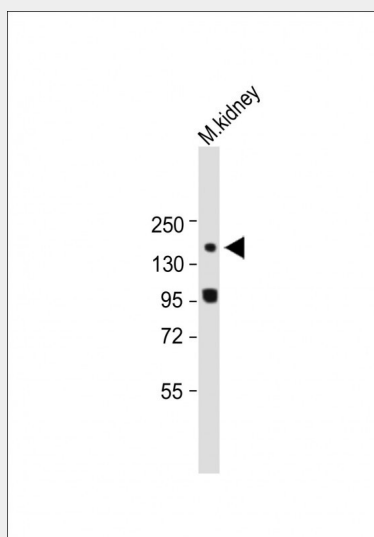
Secreted, extracellular space, extracellular matrix, basement membrane

COL4A2 Antibody (N-term) - Protocols

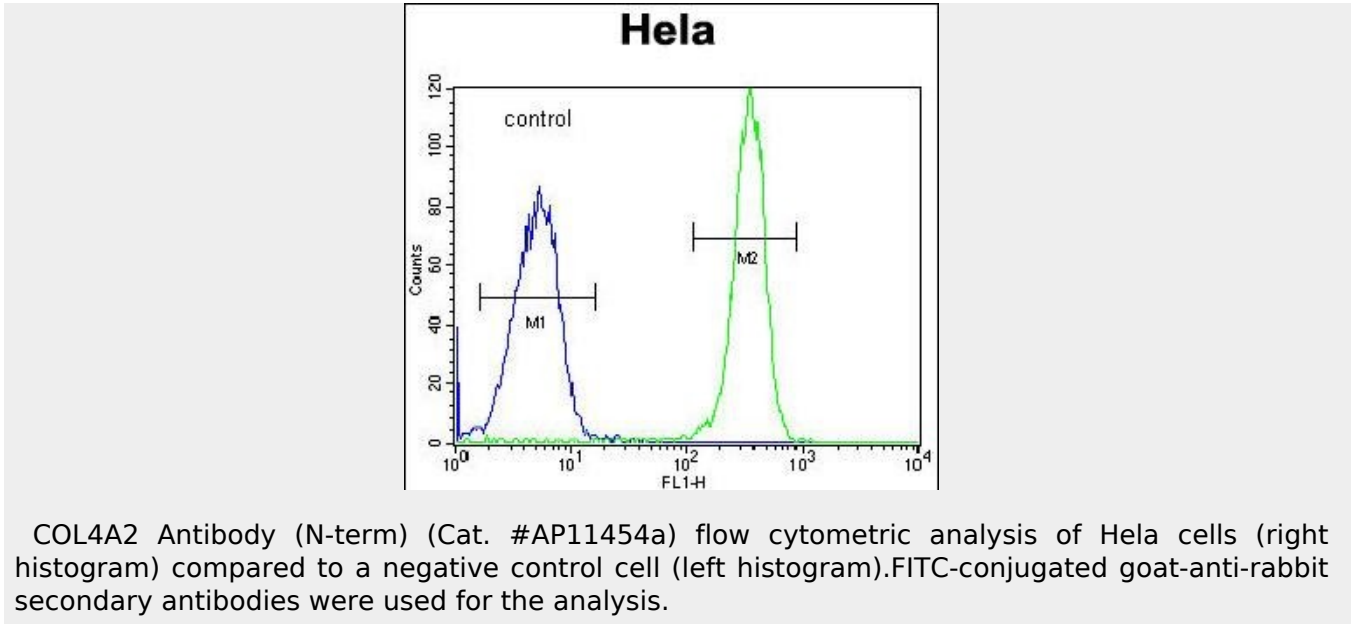
Provided below are standard protocols that you may find useful for product applications.

- [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.](#)