10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

COL4A2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11454a

Product Information

Application	WB, FC, E
Primary Accession	P08572
Other Accession	NP_001837.2
Reactivity	Human, Mouse
Predicted	Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18892
Calculated MW	167553
Antigen Region	156-186

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 E~~Use at an assay dependent concentration.
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.

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

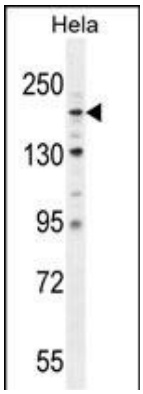
Background

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.

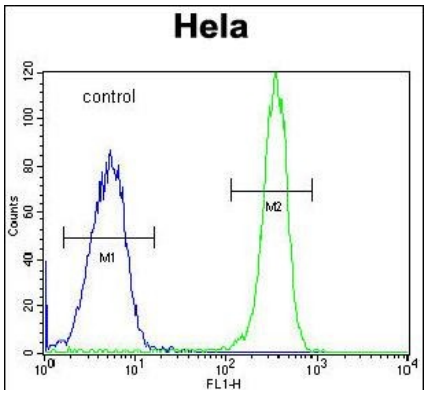
References

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)

Images



COL4A2 Antibody (N-term) (Cat. #AP11454a) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the COL4A2 antibody detected the COL4A2 protein (arrow).



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.

Citations

- Turbulence Activates Platelet Biogenesis to Enable Clinical Scale Ex Vivo Production.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.