

Product datasheet for **AP51015PU-N**

Collagen IV (COL4A2) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	ELISA: 1/1000. Western blot: 1/100 - 1/500. Flow Cytometry: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 163-194 amino acids from the N-terminal region of human COL4A2
Specificity:	This antibody reacts to COL4A2.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	167553 Da
Gene Name:	collagen type IV alpha 2
Database Link:	Entrez Gene 1284 Human P08572



[View online »](#)

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.

Synonyms:

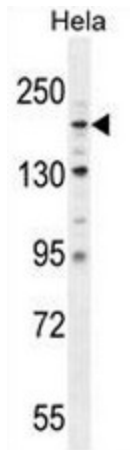
COL4A2

Protein Families:

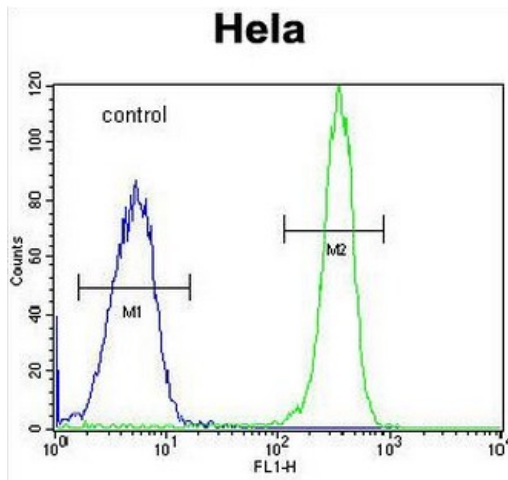
Transmembrane

Protein Pathways:

ECM-receptor interaction, Focal adhesion, Pathways in cancer, Small cell lung cancer

Product images:


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



COL4A2 Antibody (N-term) 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.