

Product datasheet for **AP07844PU-N**

Collagen VI (COL6A1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, IP, WB
Recommended Dilution:	ELISA. Immunofluorescence. Immunohistochemistry on Paraffin Sections: 2.5 µg/ml. Immunoprecipitation. Western Blot.
Reactivity:	Bovine, Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Collagen Type VI from Human and Bovine placenta
Specificity:	This antibody detects Collagen, Type VI from Human and Bovine Placenta. Other species not tested.
Formulation:	0.02 M Potassium Phosphate, pH 7.2, 0.15 M Sodium Chloride with 0.01% (w/v) Sodium Azide as preservative State: Aff - Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
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.
Gene Name:	collagen type VI alpha 1
Database Link:	Entrez Gene 1291 Human P12109



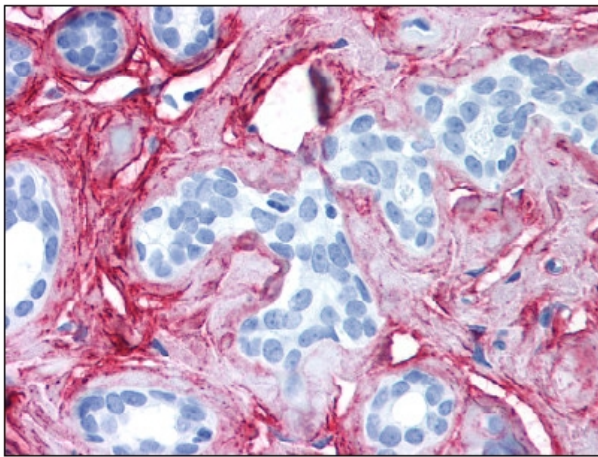
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Background:

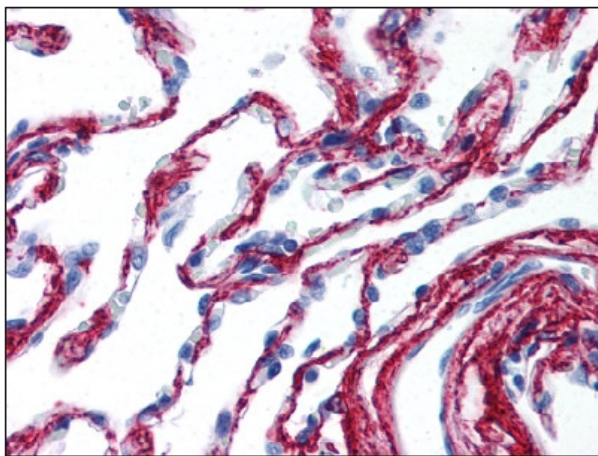
Collagens are highly conserved throughout evolution and are characterized by an uninterrupted "Glycine-X-Y" triplet repeat that is a necessary part of the triple helical structure. For these reasons it is often extremely difficult to generate antibodies with specificities to collagens. The development of type specific antibodies is dependent on NON-DENATURED three-dimensional epitopes. Collagens are extensively purified for immunization from human and bovine placenta and cartilage by limited pepsin digestion and selective salt precipitation. This preparation results in a native conformation of the protein. Antibodies are isolated from rabbit antiserum and are extensively cross-adsorbed by immunoaffinity purification to produce 'type' specific antibodies. Greatly diminished reactivity and selectivity of these antibodies will result if denaturing and reducing conditions of SDS-PAGE and immunoblotting are used.

Synonyms:

COL6A1

Product images:

Collagen type VI antibody staining of Formalin-Fixed Paraffin-Embedded Human Breast tissue.



Collagen type VI antibody staining of Formalin-Fixed Paraffin-Embedded Human Lung tissue.