

## Product datasheet for **AP00361PU-N**

### Collagen VI (COL6A1) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunoblotting.</b> <b>Immunofluorescence.</b> <b>Immunohistochemistry on Frozen Sections.</b>
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Human type VI collagen. Antiserum to human type VI collagen was raised by repeated immunisation of goats with highly purified antigen.
Specificity:	This antibody recognizes Human type VI Collagen and exhibits < 10% cross reactivity with Collagen types I, II, III, IV and V
Formulation:	Borate buffered saline State: Purified State: Liquid purified IgG fraction Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	collagen type VI alpha 1
Database Link:	<a href="#">Entrez Gene 1291 Human P12109</a>



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<b>Background:</b>	Type V Collagen is a member of group I Collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V Collagen binds to DNA, heparan sulfate, Thrombospondin, Heparin, and Insulin. Collagen V is composed of several subunits as follows: trimers of two alpha 1(V) and one alpha 2(V) chains in most tissues and trimers of one alpha 1(V), one alpha 2(V), and one alpha 3(V) chains in placenta. Type V Collagen is closely related to type XI Collagen and it is possible that the Collagen chains of types V and XI constitute a single collagen type with tissue specific chain combinations. Mutations in this gene are associated with Ehlers Danlos syndrome, types I and II.
<b>Synonyms:</b>	COL6A1
<b>Protein Pathways:</b>	ECM-receptor interaction, Focal adhesion