

Product datasheet for **AP00360PU-N**

Collagen V (COL5A1) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA. Immunoblotting. Immunofluorescence. Immunohistochemistry on frozen sections.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Human type V collagen
Specificity:	This antibody reacts to Collagen V. This antibody shows less than 10% reactivity with collagen type I, II, III, IV, and VI. It may react with collagen V from other species. Reactivity with other ECM proteins has not been tested.
Formulation:	Borate buffered saline State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	collagen type V alpha 1
Database Link:	Entrez Gene 1289 Human P20908



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Background:	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.
Synonyms:	COL5A1
Protein Families:	Druggable Genome
Protein Pathways:	ECM-receptor interaction, Focal adhesion