

Product datasheet for **AP51017PU-N**

Collagen V (COL5A1) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western blot: 1/1000. Immunohistochemistry on paraffin sections: 1/10 - 1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 54-82 amino acids from the N-terminal region of human COL5A1
Specificity:	This antibody reacts to COL5A1.
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:	183560 Da
Gene Name:	collagen type V alpha 1
Database Link:	Entrez Gene 12831 Mouse Entrez Gene 1289 Human P20908



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Background:

COL5A1 encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. COL5A1 product 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. [provided by RefSeq].

Synonyms:

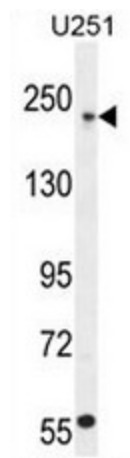
COL5A1

Protein Families:

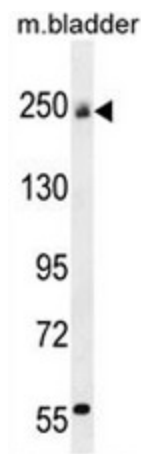
Druggable Genome

Protein Pathways:

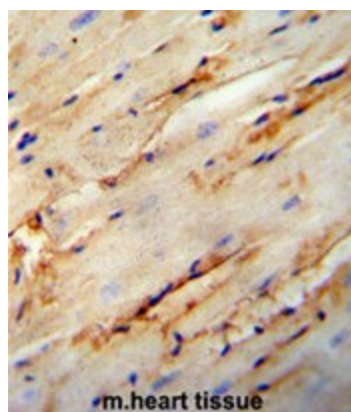
ECM-receptor interaction, Focal adhesion

Product images:


COL5A1 Antibody (N-term) western blot analysis in U251 cell line lysates (35ug/lane). This demonstrates the COL5A1 antibody detected the COL5A1 protein (arrow).



COL5A1 Antibody (N-term) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the COL5A1 antibody detected the COL5A1 protein (arrow).



COL5A1 antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the COL5A1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.