

Anti-COL5A2 antibody



Description	Rabbit polyclonal to COL5A2.
Model	STJ92397
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human COL5A2
Immunogen Region	10-90 aa, N-terminal
Gene ID	1290
Gene Symbol	COL5A2
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000
Specificity	COL5A2 Polyclonal Antibody detects endogenous levels of COL5A2 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Collagen alpha-2 V chain
Molecular Weight	145 72 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:22100MIM:120190
Alternative Names	Collagen alpha-2 V chain
Function	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. Type V collagen is a key determinant in the assembly of tissue-specific matrices .
Sequence and Domain Family	The C-terminal propeptide, also known as COLFI domain, have crucial roles in tissue growth and repair by controlling both the intracellular assembly of procollagen molecules and the extracellular assembly of collagen fibrils. It binds a calcium ion which is essential for its function .
Cellular Localization	Secreted, extracellular space, extracellular matrix
Post-translational Modifications	Prolines at the third position of the tripeptide repeating unit (G-X-P) are hydroxylated in some or all of the chains. Probably 3-hydroxylated on Pro-919 and Pro-1156 by LEPREL1.