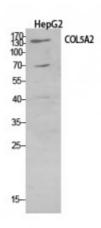


Anti-COL5A2 antibody





Description Rabbit polyclonal to COL5A2.

Model STJ96898

Host Rabbit

Reactivity Human

Applications ELISA, IHC, WB

Immunogen Synthesized peptide derived from human COL5A2.

Immunogen Region 1-50 aa, N-terminal

Gene ID <u>1290</u>

Gene Symbol COL5A2

Dilution range WB 1:500-1:2000IHC-P 1:100-1:300ELISA 1:20000

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

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

Store at -20°C, and avoid repeat freeze-thaw cycles. **Storage Instruction**

HGNC:2210OMIM:120190 **Database Links**

Collagen alpha-2 V chain **Alternative Names**

Type V collagen is a member of group I collagen (fibrillar forming collagen). **Function**

> 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.

The C-terminal propeptide, also known as COLFI domain, have crucial roles **Sequence and Domain Family**

> 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 Prolines at the third position of the tripeptide repeating unit (G-X-P) are **Modifications**

hydroxylated in some or all of the chains. Probably 3-hydroxylated on

Pro-919 and Pro-1156 by LEPREL1.

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