

**Anti-Human COL5A2 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA02673**

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3th Edition

**Description:** This gene 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. This gene 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. COL5A2 (Collagen Type V Alpha 2 Chain) is a Protein Coding gene. Diseases associated with COL5A2 include Ehlers-Danlos Syndrome, Classic Type and Ehlers-Danlos Syndrome Type II. Among its related pathways are Collagen chain trimerization and Phospholipase-C Pathway. GO annotations related to this gene include extracellular matrix structural constituent and SMAD binding. An important paralog of this gene is COL2A1.

**Antigen:** Synthesized peptide derived from the N-terminal region of human COL5A2.

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**