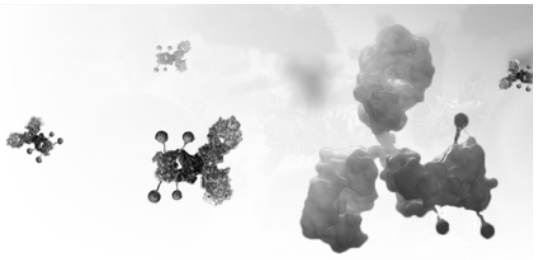

# Anti-COL5A3 (aa 157-244) polyclonal antibody (DPAB-DC2077)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Antigen 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 thought to be responsible for the symptoms of a subset of patients with Ehlers-Danlos syndrome type III. Messages of several sizes can be detected in northern blots but sequence information cannot confirm the identity of the shorter messages. |
| **Immunogen** | COL5A3 (NP_056534, 157 a.a. ~ 244 a.a) partial recombinant protein with GST tag.<br>The sequence is<br>EMVTLVADCEAQPPVLGHGPRFISIAGLTVLGTQDLGEKTFEGDIQELLISPDPQAAFQA<br>CERYLPDCDNLAPAATVAPQGEPETPRP |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Conjugate** | Unconjugated |
| **Applications** | WB (Recombinant protein), ELISA, |
| **Size** | 50 µl |
| **Buffer** | 50 % glycerol |
| **Preservative** | None |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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# GENE INFORMATION

| | |
|---|---|
| **Gene Name** | COL5A3 collagen, type V, alpha 3 [ Homo sapiens (human) ] |
| **Official Symbol** | COL5A3 |
| **Synonyms** | COL5A3; collagen, type V, alpha 3; collagen alpha-3(V) chain; pro-(alpha)3(V) collagen; |
| **Entrez Gene ID** | 50509 |
| **Protein Refseq** | NP_056534 |
| **UniProt ID** | P25940 |
| **Chromosome Location** | 19p13.2 |
| **Pathway** | Amoebiasis; Assembly of collagen fibrils and other multimeric structures; Collagen formation; ECM-receptor interaction. |
| **Function** | collagen binding; extracellular matrix structural constituent; heparin binding; proteoglycan binding |

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