

## COL5A3 Polyclonal Antibody

Catalog No. E-AB-30995

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

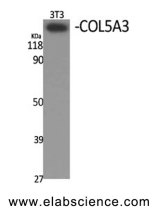
<b>Reactivity</b>	Human
<b>Immunogen</b>	Synthesized peptide derived from the N-terminal region of human COL5A3
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

### Applications

### Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:100-1:300
<b>IF</b>	1:200-1:1000
<b>ELISA</b>	1:20000

### Data



Western Blot analysis of 3T3 cells with COL5A3  
Polyclonal Antibody.  
**Observed Mw:170kDa**  
**Calculated Mw:172kDa**

### Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

### Background

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. COL5A3 (Collagen Type V

### For Research Use Only

Alpha 3 Chain) is a Protein Coding gene. Diseases associated with COL5A3 include Ehlers-Danlos Syndrome, Type Iii. Among its related pathways are Collagen chain trimerization and Phospholipase-C Pathway. GO annotations related to this gene include heparin binding and extracellular matrix structural constituent. An important paralog of this gene is COL5A1.