

COL5A3 Polyclonal Antibody

Catalog No. E-AB-30995

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

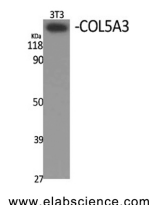
Description

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

Applications Recommended Dilution

WB	1:500-1:2000
IHC	1:100-1:300
IF	1:200-1:1000
ELISA	1:20000

Data



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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

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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.