



Rabbit Anti-Human collagen type V Polyclonal Antibody (CABT-Z468R)

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

PRODUCT INFORMATION

| | |
|---------------------------|--|
| Specificity | Bind native 3D epitopes of Human Collagen type V. No cross-reactivity to other human collagens. No cross-reactivity to human plasma proteins |
| Immunogen | Human collagen type V (placenta) |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Affinity Purified |
| Conjugate | Unconjugated |
| Applications | ELISA, IHC-F |
| Reconstitution | Reconstitute with 0.5 ml sterile pure water. |
| Format | Lyophilized |
| Size | 500 µl |
| Preservative | None |
| Storage | Storage of lyophilized antibodies for 2 years at -20°C or lower. |
| Ship | Wet ice |

BACKGROUND

Introduction

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. The encoded procollagen protein occurs commonly as the heterotrimer pro-alpha1(V)-pro-alpha1(V)-pro-alpha2(V). Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II. Alternative splicing of this gene results in multiple transcript variants.

Keywords

COL5A1;collagen, type V, alpha 1;collagen alpha-1(V) chain;alpha 1 type V collagen

GENE INFORMATION

Gene Name

COL5A1

Entrez Gene ID

[1289](#)

UniProt ID

[A0A024R8E5](#)