

Datasheet for ABIN5596847  
**anti-COL6 antibody (FITC)**



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1 Image

## Overview

|              |  |
|--------------|--|
| Quantity:    | 50 µg  |
| Target:      | COL6   |
| Reactivity:  | Human, Cow   |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This COL6 antibody is conjugated to FITC   |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP) |

## Product Details

|                             |   |
|-----------------------------|---|
| Purpose:                    | Collagen Type VI Antibody Fluorescein Conjugated  |
| Immunogen:                  | Immunogen: Collagen Type VI from human and bovine placenta<br>Immunogen Type: Native Protein  |
| Isotype:                    | IgG   |
| Cross-Reactivity (Details): | Some class specific anti-collagens may be specific for three-dimensional epitopes which may result in diminished reactivity with denatured collagen or formalin-fixed, paraffin embedded tissues.   |
| Characteristics:            | Synonyms: rabbit anti-Collagen Type VI antibody fluorescein conjugation, FITC conjugated rabbit anti-Collagen Type VI antibody, Collagen alpha-1 (VI) chain, Collagen VI antibody, Human mRNA for collagen VI alpha 1 C terminal globular domain antibody |
| Purification:               | Anti-Collagen VI has been prepared by immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against other collagens, human serum  |

## Product Details

proteins and non-collagen extracellular matrix proteins to remove any unwanted specificities.

## Target Details

|                   |   |
|-------------------|---|
| Target:           | COL6  |
| Alternative Name: | Collagen Type VI ( <a href="#">COL6 Products</a> )  |
| Background:       | Background: Anti-Collagen Type VI Fluorescein Conjugated Antibody is specific for collagen type VI protein. The collagens are a superfamily of proteins that play a role in maintaining the integrity of various tissues. Collagen VI is a major structural component of microfibrils. The basic structural unit of collagen VI is a heterotrimer of the alpha1(VI), alpha2(VI), and alpha3(VI) chains. The alpha2(VI) and alpha3(VI) chains are encoded by the COL6A2 and COL6A3 genes, respectively. The protein encoded by this gene is the alpha 1 subunit of type VI collagen (alpha1(VI) chain). Mutations in the genes that code for the collagen VI subunits result in the autosomal dominant disorder, Bethlem myopathy. |
| Gene ID:          | 1291  |
| UniProt:          | <a href="#">P12109</a>  |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | Immunohistochemistry Dilution: 1:200 - 1:1,000<br>Application Note: Anti-Collagen Type VI (RABBIT) Fluorescein Conjugated Antibody is suitable for western blot, immunoprecipitation, and immunohistochemistry. Researchers should determine optimal titers for applications that are not stated below.<br>Western Blot Dilution: 1:1,000 - 1:5,000<br>Immunoprecipitation Dilution: 1:100<br>ELISA Dilution: 1:10,000 - 1:50,000 |
| Restrictions:      | For Research Use only   |

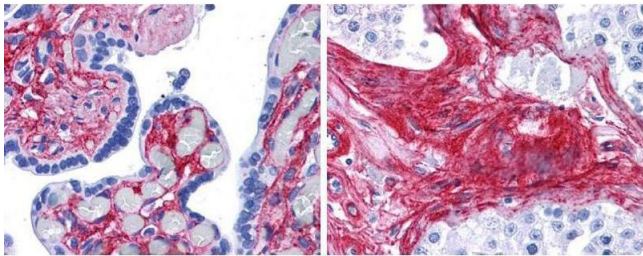
## Handling

|                 |  |
|-----------------|--|
| Format:         | Lyophilized  |
| Reconstitution: | Reconstitution Volume: 50µL<br>Reconstitution Buffer: Restore with deionized water (or equivalent) |
| Concentration:  | 1.0 mg/mL  |
| Buffer:         | Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2                                    |

Handling

|                    |  |
|--------------------|--|
|                    | Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free<br>Preservative: 0.01 % (w/v) Sodium Azide  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Store vial at 4° C prior to restoration. Restore with 0.05 mL of deionized water (or equivalent). For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| Expiry Date:       | 12 months  |

Images



Immunohistochemistry

**Image 1.** Immunohistochemistry of Rabbit anti-collagen VI antibody. Tissue: human placenta (left), testis (right). Fixation: formalin fixed paraffin embedded. Antigen retrieval: steamed in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes. Primary antibody: collagen VI antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: collagen VI is extracellular. Staining: collagen VI as precipitated red signal red staining of stromal and extracellular spaces in the placenta and extracellular spaces between seminiferous tubules in the testis, with hematoxylin purple nuclear counterstain.