

Recombinant Collagen VI Monoclonal Antibody

catalog number: **AN301269L**

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

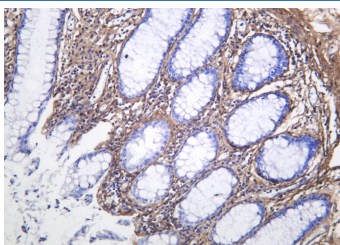
Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human Collagen VI protein
Host	Rabbit
Isotype	IgG, κ
Clone	7B3
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

IHC	1:200-1:1000
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Data



Immunohistochemistry of paraffin-embedded human colon using Recombinant Collagen VI Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

The collagens are a superfamily of proteins that play a role in maintaining the integrity of various tissues. Collagens are extracellular matrix proteins and have a triple-helical domain as their common structural element. Collagen VI is a major structural component of microfibrils. The basic structural unit of collagen VI is a heterotrimer of the $\alpha 1(VI)$, $\alpha 2(VI)$, and $\alpha 3(VI)$ chains. The $\alpha 2(VI)$ and $\alpha 3(VI)$ 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 ($\alpha 1(VI)$ chain). Mutations in the genes that code for the collagen VI subunits result in the autosomal dominant disorder, Bethlem myopathy.

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