

Nur für Forschungszwecke

# Collagen Type III (N-terminal) Rekombinanter Antikörper



Katalog-Nr.:80009-1-RR

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 80009-1-RR	<b>GenBank-Zugangsnummer:</b> BC028178	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ul, Konzentration: 750 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 1281	<b>CloneNo.:</b> 201
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> collagen, type III, alpha 1	<b>Empfohlene Verdünnungen:</b> IHC 1:2000-1:8000 IF 1:50-1:500
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 1466 aa, 139 kDa	
<b>Immunogen Katalognummer:</b> AG18658		

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, ELISA

### Getestete Reaktivität:

Human

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

IHC: humanes Kolongewebe, humanes Hautkrebsgewebe, humanes Kolonkarzinomgewebe, humanes Ovarialkarzinomgewebe, humanes Pankreaskarzinomgewebe

IF: humanes Kolongewebe,

## Hintergrundinformationen

Type III collagen is a fibrillar forming collagen comprising three  $\alpha 1(\text{III})$  chains and is expressed in early embryos and throughout embryogenesis (PMID: 9050868). In the adult, type III collagen is a major component of the extracellular matrix in a variety of internal organs and skin. It occurs in most soft connective tissues along with type I collagen (PMID: 2445760). COL3A1 gene encodes type III procollagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms (PMID: 10706896; 2243125; 18389341). This antibody was raised against 24-152 aa of prepro  $\alpha 1(\text{III})$  chain of human type III procollagen. It can't recognize mouse or rat type III collagen.

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern.

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

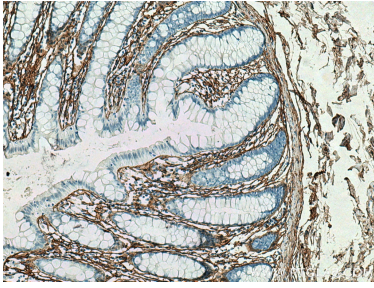
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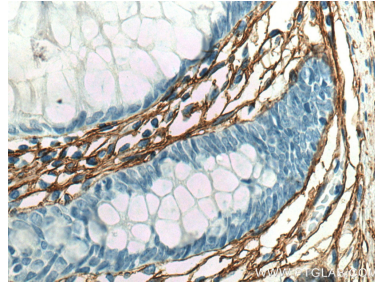
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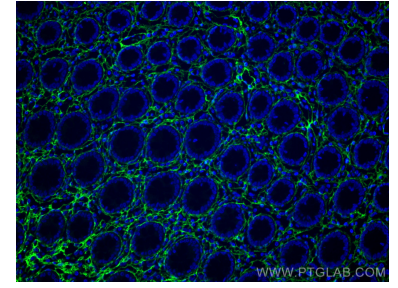
## Ausgewählte Validierungsdaten



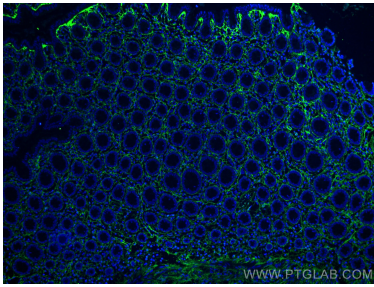
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 80009-1-RR (COL3A1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 80009-1-RR (COL3A1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using Collagen Type III (N-terminal) antibody (80009-1-RR, Clone: 2O1) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using Collagen Type III (N-terminal) antibody (80009-1-RR, Clone: 2O1) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).