

### Anti-COL19A1 antibody ab122793

2 Images

#### Overview

<b>Product name</b>	Anti-COL19A1 antibody
<b>Description</b>	Rabbit polyclonal to COL19A1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	antigen sequence: VTVRDKTEES CPILRIEGHQ LTYDNINKLE VSGFDLGDSF SLRRAFCESD KTCFKLGSL LIRDTIKIFP KGLPEEYSVA AMFRVRRNAK KERWFLWQVL, corresponding to amino acids of Human COL19A1. <a href="#">Run BLAST with Expasy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	Human urinary bladder tissue.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab122793 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml. Recommend PFA Fixation and Triton X-100 treatment
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

### Function

May act as a cross-bridge between fibrils and other extracellular matrix molecules. Involved in skeletal myogenesis in the developing esophagus. May play a role in organization of the pericellular matrix or the sphinteric smooth muscle.

### Tissue specificity

Localized to vascular, neuronal, mesenchymal, and some epithelial basement membrane zones in umbilical cord.

### Sequence similarities

Belongs to the fibril-associated collagens with interrupted helices (FACIT) family.  
Contains 1 TSP N-terminal (TSPN) domain.

### Domain

The numerous interruptions in the triple helix may make this molecule either elastic or flexible.

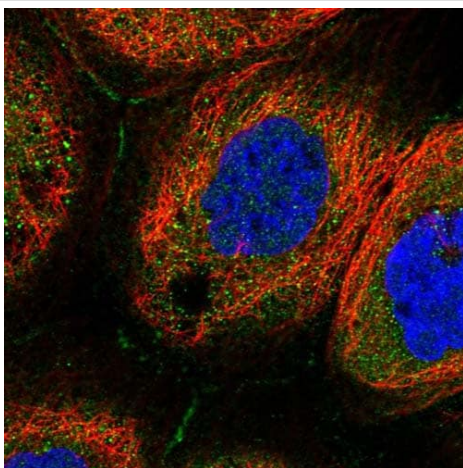
### Post-translational modifications

Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.

### Cellular localization

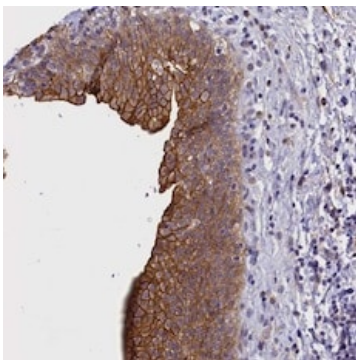
Secreted > extracellular space > extracellular matrix.

## Images



Immunofluorescent staining of Human cell line A-431 shows positivity in cytoplasm and cell junctions. Recommended concentration of ab122793 1-4 µg/ml. Cells treated with PFA/Triton X-100.

Immunocytochemistry/ Immunofluorescence - Anti-COL19A1 antibody (ab122793)



ab122793, at 1/200 dilution, staining COL19A1 in paraffin-embedded Human urinary bladder tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COL19A1 antibody (ab122793)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

#### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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