

## Collagen X/COL10A1 Antibody

**CAB18604**

### Description

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This Collagen X/COL10A1 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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<b>SKU:</b>	CAB18604
<b>Contents:</b>	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Polyclonal Antibody
<b>Synonyms:</b>	COL10A1, collagen alpha-1(X) chain, Collagen X/COL10A1
<b>Clone:</b>	-
<b>Applications:</b>	<b>WB</b>   <b>IHC-P</b>   <b>ELISA</b>
<b>Conjugation:</b>	-
<b>Reactivity:</b>	Human, Rat

### Antibody Data

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<b>Gene ID:</b>	1300
<b>Uniprot:</b>	AB_2862361
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	66kDa
<b>Calculated MW:</b>	66kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

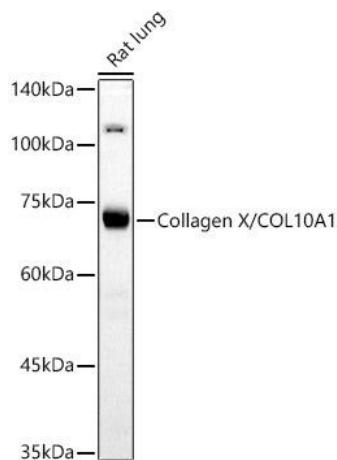
**Positive Sample:** Rat lung

**Recommended Dilutions:**

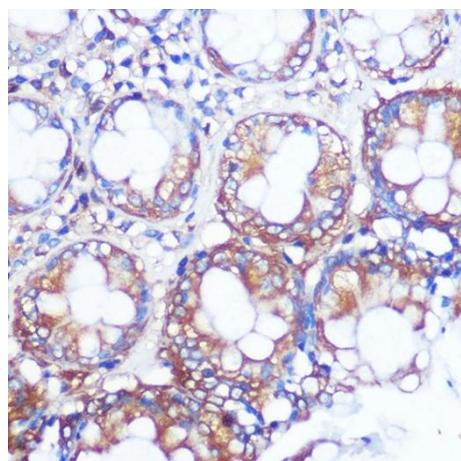
<b>WB</b>	1:500 - 1:5000
<b>IHC-P</b>	1:50 - 1:200
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data



Western blot analysis of lysates from Rat lung, using Collagen X/COL10A1 Rabbit pAb (CAB18604) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Human colon using Collagen X/COL10A1 Rabbit pAb (CAB18604) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

