

A18604

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## Collagen X/COL10A1 Rabbit pAb

Catalog No.: A18604

8 Publications

### Basic Information

#### Observed MW

66kDa

#### Calculated MW

66kDa

#### Category

Polyclonal Antibody

#### Applications

WB, IHC-P, ELISA

#### Cross-Reactivity

Human, Rat

### Background

This gene encodes the alpha chain of type X collagen, a short chain collagen expressed by hypertrophic chondrocytes during endochondral ossification. Unlike type VIII collagen, the other short chain collagen, type X collagen is a homotrimer. Mutations in this gene are associated with Schmid type metaphyseal chondrodysplasia (SMCD) and Japanese type spondylometaphyseal dysplasia (SMD).

### Recommended Dilutions

WB	1:100 - 1:500
IHC-P	1:50 - 1:200

### Immunogen Information

#### Gene ID

1300

#### Swiss Prot

Q03692

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 521-680 of human Collagen X/COL10A1 (NP\_000484.2).

#### Synonyms

COL10A1; collagen alpha-1(X) chain; Collagen X/COL10A1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

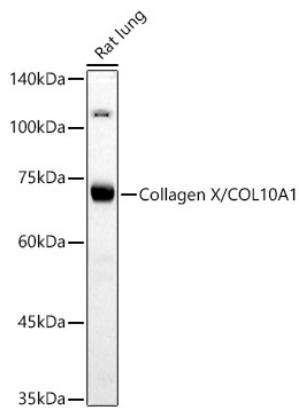
Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from Rat lung, using Collagen X/COL10A1 Rabbit pAb (A18604) at 1:500 dilution.

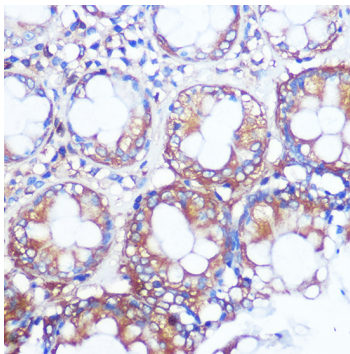
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of Collagen X/COL10A1 in paraffin-embedded human colon using Collagen X/COL10A1 Rabbit pAb (A18604) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.