

Datasheet for ABIN5012097

**anti-COL4a3 antibody (AA 1571-1670) (AbBy Fluor® 750)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | COL4a3 (COL4A3)                                                                                                                |
| Binding Specificity: | AA 1571-1670                                                                                                                   |
| Reactivity:          | Mouse, Rat                                                                                                                     |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This COL4a3 antibody is conjugated to AbBy Fluor® 750                                                                          |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Tumstatin |
| Isotype:              | IgG                                                           |
| Cross-Reactivity:     | Mouse, Rat                                                    |
| Predicted Reactivity: | Human                                                         |
| Purification:         | Purified by Protein A.                                        |

## Target Details

|                   |                                               |
|-------------------|-----------------------------------------------|
| Target:           | COL4a3 (COL4A3)                               |
| Alternative Name: | Tumstatin ( <a href="#">COL4A3 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: Collagen alpha-3IV chain, Alpha 3 type IV collagen, Alpha3 type IV collagen, COL4A3, COL4A3, Collagen IV alpha 3 polypeptide, Collagen type IV alpha 3 Goodpasture antigen, Collagen type IV alpha 3, Goodpasture antigen, OTTHUMP00000195044, Tumstatin, Col4a3, CO4A3_HUMAN.</p> <p>Background: COL4A3 (Collagen, type IV, alpha 3) belongs to the type IV collagen family. Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Type IV collagen is a multimeric protein composed of 3 alpha subunits. These subunits are encoded by 6 different genes, alpha 1 through alpha 6, each of which can form a triple helix structure with 2 other subunits to form type IV collagen. Tumstatin, a cleavage fragment corresponding to the collagen alpha 3(IV) NC1 domain, possesses both anti-angiogenic and anti-tumor cell activity.</p> |
| Gene ID:    | 1285                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Pathways:   | <a href="#">Sensory Perception of Sound</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |

Handling

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Expiry Date: 12 months