

Datasheet for ABIN7148244

**anti-COL4a2 antibody (AA 1493-1712) (Biotin)**[Go to Product page](#)

## Overview

|                      |                                              |
|----------------------|----------------------------------------------|
| Quantity:            | 100 µg                                       |
| Target:              | COL4a2 (COL4A2)                              |
| Binding Specificity: | AA 1493-1712                                 |
| Reactivity:          | Human                                        |
| Host:                | Rabbit                                       |
| Clonality:           | Polyclonal                                   |
| Conjugate:           | This COL4a2 antibody is conjugated to Biotin |
| Application:         | ELISA                                        |

## Product Details

|                   |                                                                    |
|-------------------|--------------------------------------------------------------------|
| Immunogen:        | Recombinant Human Collagen alpha-2(IV) chain protein (1493-1712AA) |
| Isotype:          | IgG                                                                |
| Cross-Reactivity: | Human                                                              |
| Purification:     | >95%, Protein G purified                                           |

## Target Details

|                   |                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | COL4a2 (COL4A2)                                                                                                                                                             |
| Alternative Name: | COL4A2 ( <a href="#">COL4A2 Products</a> )                                                                                                                                  |
| Background:       | Background: Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a '\\\\'chicken-wire\\\\\\' meshwork together with laminins, |

## Target Details

proteoglycans and entactin/nidogen. Canstatin, a cleavage product corresponding to the collagen alpha 2(IV) NC1 domain, possesses both anti-angiogenic and anti-tumor cell activity. It inhibits proliferation and migration of endothelial cells, reduces mitochondrial membrane potential, and induces apoptosis. Specifically induces Fas-dependent apoptosis and activates procaspase-8 and -9 activity. Ligand for alphavbeta3 and alphavbeta5 integrins.

Aliases: Canstatin antibody, CO4A2\_HUMAN antibody, COL4A 2 antibody, Col4a2 antibody, Collagen alpha 2(IV) chain antibody, Collagen, type IV, alpha 2 antibody

UniProt: [P08572](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.