

## Rabbit anti-Human, Mouse COL4A3 Polyclonal Antibody | anti-COL4A3 antibody

COL4A3 Polyclonal Antibody

|                               |                       |                                   |                                                    |
|-------------------------------|-----------------------|-----------------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA169380</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|-----------------------------------|----------------------------------------------------|

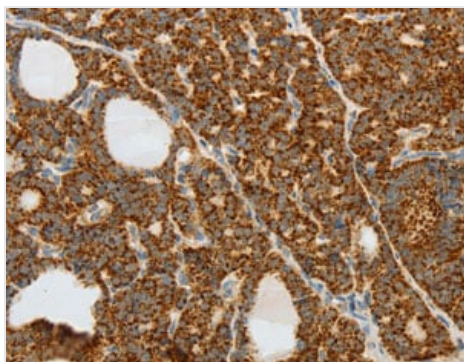
### PRODUCT SYNONYMS

COL4A3; Polyclonal Antibody; COL4A3 Polyclonal Antibody; Collagen alpha-3(IV) chain; Goodpasture antigen; anti-COL4A3 antibody

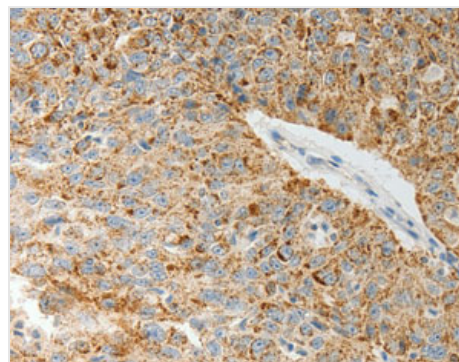
### PRODUCT SPECIFICATIONS

|                                                  |                                                  |
|--------------------------------------------------|--------------------------------------------------|
| Host                                             | Rabbit                                           |
| Reactivity                                       | Human, Mouse                                     |
| Clonality                                        | Polyclonal                                       |
| Isotype                                          | IgG                                              |
| Purity/Purification                              | Affinity purification                            |
| Sequence Length                                  | 1670                                             |
| Applicable Applications for anti-COL4A3 antibody | IHC (Immunohistochemistry), ELISA                |
| Immunogen                                        | Synthetic peptide of human COL4A3                |
| Buffer                                           | PBS with 0.05% sodium azide, 50% glycerol, pH7.3 |
| Preparation and Storage                          | Store at -20°C. Avoid freeze / thaw cycles.      |

### IMAGES



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using COL4A3 Polyclonal Antibody at dilution 1:20



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using COL4A3 Polyclonal Antibody at dilution 1:20

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-COL4A3 antibody | Type IV collagen, the major structural component of basement membranes, 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. This gene encodes alpha 3. In the Goodpasture syndrome, autoantibodies bind to the collagen molecules in the basement membranes of alveoli and glomeruli. The epitopes that elicit these autoantibodies are localized largely to the non-collagenous C-terminal domain of the protein. A specific kinase phosphorylates amino acids in this same C-terminal region and the expression of this kinase is upregulated during pathogenesis. This gene is also linked to an autosomal recessive form of Alport syndrome. The mutations contributing to this syndrome are also located within the exons that encode this C-terminal region. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene so that each gene pair shares a common promoter. |
| Product Categories/Family for anti-COL4A3 antibody   | Stem cells; Cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 89142730                                                                                            |
| NCBI GeneID                      | 1285                                                                                                |
| NCBI Accession #                 | NP_000082.2                                                                                         |
| NCBI GenBank Nucleotide #        | NM_000091.4                                                                                         |
| UniProt Accession #              | Q01955; Q53QQ1; Q53R14; Q53RW8; Q9BQT2; Q9NYC4; Q9UDJ9; Q9UDK9; Q9UDL0; Q9UDL1                      |
| Molecular Weight                 | 135,079 Da                                                                                          |
| NCBI Official Full Name          | collagen alpha-3(IV) chain                                                                          |
| NCBI Official Synonym Full Names | collagen, type IV, alpha 3 (Goodpasture antigen)                                                    |
| NCBI Official Symbol             | COL4A3                                                                                              |
| NCBI Protein Information         | collagen alpha-3(IV) chain; collagen alpha-3(IV) chain; collagen IV, alpha-3 polypeptide; tumstatin |
| UniProt Protein Name             | Collagen alpha-3(IV) chain                                                                          |
| UniProt Gene Name                | COL4A3                                                                                              |
| UniProt Entry Name               | CO4A3_HUMAN                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/col4a3-antibody-immunohistochemistry-elisa/169380>