

## anti-Human, Mouse Collagen IV Antibody | anti-COL4A1 antibody

Collagen IV Antibody

|                               |                                   |                                                                  |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA110604</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|

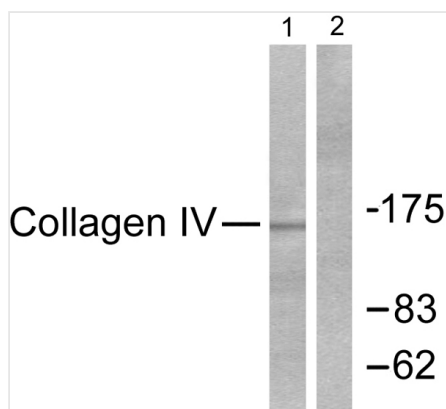
### PRODUCT SYNONYMS

Collagen IV; Collagen IV Antibody; COL4A1 NC1 domain; COLLAGEN OF BASEMENT MEMBRANE; ALPHA-1 CHAIN ARRESTEN; alpha 1 type IV collagen preproprotein; collagen IV alpha-1 polypeptide; collagen type IV alpha 1; anti-COL4A1 antibody

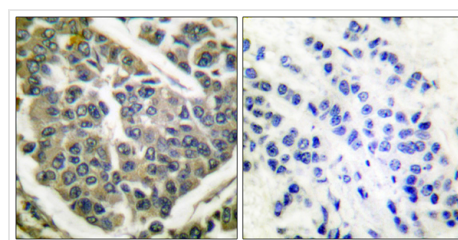
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Reactivity                                       | Human, Mouse                                                                                                   |
| Specificity                                      | Collagen IV antibody detects endogenous levels of total Collagen IV protein.                                   |
| Purity/Purification                              | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           |
| Form/Format                                      | In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Sequence Length                                  | 519                                                                                                            |
| Applicable Applications for anti-COL4A1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                           |
| Immunogen                                        | The antiserum was produced against synthesized peptide derived from human Collagen IV.                         |
| Preparation and Storage                          | Store at -20 degree C for 1 year                                                                               |

### IMAGES


**WB (Western Blot)**

Western blot analysis of extracts from HeLa cells, using Collagen IV antibody.


**IHC (Immunohistochemistry)**

Peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Collagen IV antibody.

### ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                                       |
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| References | Mary K. Chelberg, Cancer Res., Sep 1989; 49: 4796-4802. Patricia L. Graham, J. Cell Biol., Jun 1997; 137: 1171. PJ Lein, J. Cell Biol., Apr 1991; 113: 417. EC Tsilibary, J. Biol. Chem., Dec 1988; 263: 19112-19118. |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 734520332                                                      |
| NCBI GeneID                      | 1282                                                           |
| NCBI Accession #                 | NP_001290039.1                                                 |
| NCBI GenBank Nucleotide #        | NM_001303110.1                                                 |
| UniProt Accession #              | P02462; Q1P9S9; Q5VWF6; Q86X41; Q8NF88; Q9NYC5; A7E2W4; B1AM70 |
| NCBI Official Full Name          | collagen alpha-1(IV) chain isoform 2                           |
| NCBI Official Synonym Full Names | collagen type IV alpha 1 chain                                 |
| NCBI Official Symbol             | COL4A1                                                         |
| NCBI Official Synonym Symbols    | BSVD; RATOR                                                    |
| NCBI Protein Information         | collagen alpha-1(IV) chain                                     |
| UniProt Protein Name             | Collagen alpha-1(IV) chain                                     |
| UniProt Gene Name                | COL4A1                                                         |

**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/human-mouse-antibody/collagen-iv/110604>