

## Rabbit anti-Human, Mouse COL18A1 Polyclonal Antibody | anti-COL18A1 antibody

COL18A1 Antibody

|                               |                       |                                   |                                             |
|-------------------------------|-----------------------|-----------------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA306237</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|-----------------------------------|---------------------------------------------|

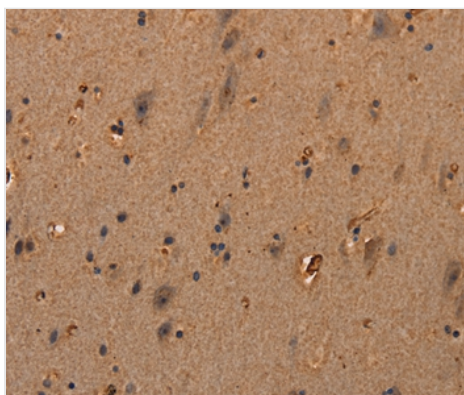
### PRODUCT SYNONYMS

COL18A1; Polyclonal Antibody; COL18A1 Antibody; KS; KNO; KNO1; anti-COL18A1 antibody

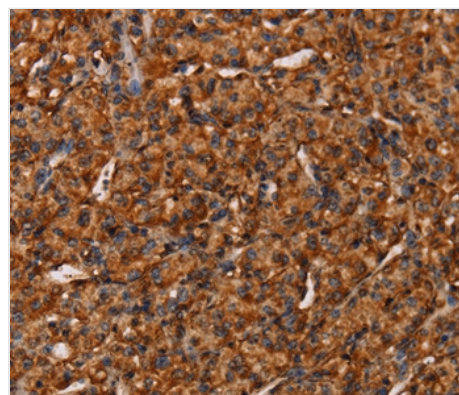
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                            |
| Reactivity                                        | Human, Mouse                                                                                                      |
| Clonality                                         | Polyclonal                                                                                                        |
| Specificity                                       | The antibody detects endogenous levels of total COL18A1 protein.                                                  |
| Purity/Purification                               | Antigen affinity purification.                                                                                    |
| Form/Format                                       | Rabbit IgG in pH7.3 PBS, 0.05% NaN <sub>3</sub> , 50% Glycerol.                                                   |
| Concentration                                     | 2.7 mg/ml (varies by lot)                                                                                         |
| Sequence Length                                   | 1516                                                                                                              |
| Applicable Applications for anti-COL18A1 antibody | IHC (Immunohistochemistry)                                                                                        |
| Immunogen Type                                    | Peptide                                                                                                           |
| Immunogen Description                             | Synthetic peptide corresponding to a region derived from internal residues of human collagen, type XVIII, alpha 1 |
| Target Name                                       | COL18A1                                                                                                           |
| Preparation and Storage                           | Store at -20 degree C                                                                                             |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human brain tissue using at dilution 1/40.


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human prostate cancer tissue using at dilution 1/40.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-COL18A1 antibody | This gene encodes the alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. The proteolytically produced C-terminal fragment of type XVIII collagen is endostatin, a potent antiangiogenic protein. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities, so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| Product Categories/Family for anti-COL18A1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 110611235                                                                                      |
| NCBI GeneID                      | 80781                                                                                          |
| NCBI Accession #                 | NP_085059.2                                                                                    |
| NCBI GenBank Nucleotide #        | NM_030582.3                                                                                    |
| UniProt Accession #              | P39060; Q58EX6; Q6RZ39; Q6RZ40; Q6RZ41; Q8N4S4; Q8WXI5; Q96T70; Q9UK38; Q9Y6Q7; Q9Y6Q8; A8MVI4 |
| Molecular Weight                 | 135,761 Da                                                                                     |
| NCBI Official Full Name          | collagen alpha-1(XVIII) chain isoform 1 preproprotein                                          |
| NCBI Official Synonym Full Names | collagen, type XVIII, alpha 1                                                                  |
| NCBI Official Symbol             | COL18A1                                                                                        |
| NCBI Official Synonym Symbols    | KS; KNO; KNO1                                                                                  |
| NCBI Protein Information         | collagen alpha-1(XVIII) chain                                                                  |
| UniProt Protein Name             | Collagen alpha-1(XVIII) chain                                                                  |
| UniProt Gene Name                | COL18A1                                                                                        |
| UniProt Entry Name               | COIA1_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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