

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **COL18A1 RABBIT PAB**

Cat.#: S214308

Product Name: Anti-COL18A1 Rabbit Polyclonal Antibody

**Synonyms:** KS; KNO; KNO1

UNIPROT ID: P39060 (Gene Accession - NP\_085059)

**Background:** 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.

**Immunogen:** Synthetic peptide of human COL18A1

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 100-300; ELISA: 2000-10000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

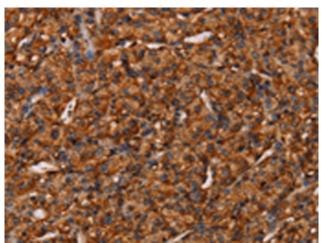
**Research Areas:** Signal Transduction, Cardiovascular

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

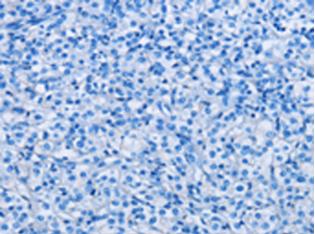


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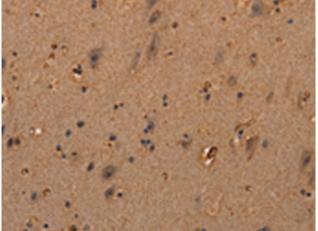
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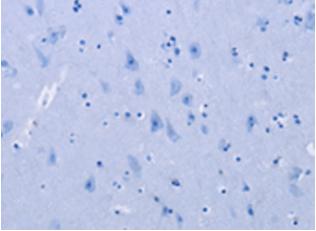
Immunohistochemistry analysis of paraffin embedded Human prostate cancer tissue using 214308(COL18A1 Antibody) at a dilution of 1/40 (Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human prostate cancer tissue is first treated with the synthetic peptide and then with 214308(Anti-COL18A1 . Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffinembedded Human brain tissue using 1/40.



In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with synthetic peptide 214308(Anti-COL18A1 Antibody) at a dilution of and then with D161646(Anti-COL18A1 Antibody) at dilution 1/40.