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# anti-COL18A1 antibody

**Images** 



#### Overview

Quantity:	200 μL
Target:	COL18A1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL18A1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Synthetic peptide of human COL18A1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## **Target Details**

Target:	COL18A1
Alternative Name:	COL18A1 (COL18A1 Products)
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.

#### **Target Details**

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.

NCBI Accession: NP\_085059

UniProt: P39060

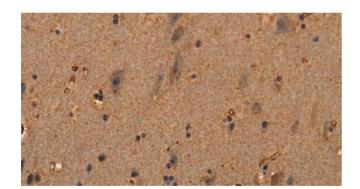
#### **Application Details**

Application Notes: IHC 1:100-1:300

Restrictions: For Research Use only

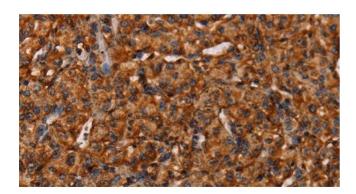
#### Handling

Format:	Liquid
Concentration:	0.6 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded Human brain tissue using COL18A1 Polyclonal Antibody at dilution 1:40



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using COL18A1 Polyclonal Antibody at dilution 1:40