

## COL18A1 Ab

[Images\(3\)](#)

Cat.#: AF0153  
Size:

Concn.: ~1mg/ml  
Source: Rabbit

Mol.Wt.: 178kDa  
Clonality: Polyclonal

Application:

IHC 1:50-1:200, WB 1:500-1:2000

\*The optimal dilutions should be determined by the end user.

Reactivity:

Human, Mouse

Storage:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:

The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen:

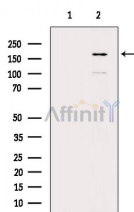
A synthesized peptide derived from human COL18A1, corresponding to a region within C-terminal amino acids.

Uniprot:

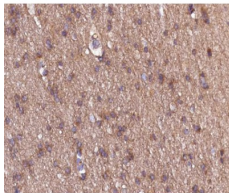
P39060

Description:

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. Three transcripts have been identified for this gene.



Western blot analysis of extracts from Mouse brain, using COL18A1 Ab. The lane on the left was treated with blocking peptide.



AF0153 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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