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Anti-Collagen 18 alpha 1 Antibody

Catalog # AP51100

Product Information

Application	WB, IHC
Primary Accession	P39060
Reactivity	Human, Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	178188

Additional Information

Gene ID	80781
Other Names	Collagen alpha-1(XVIII) chain
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Collagen 18 alpha 1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

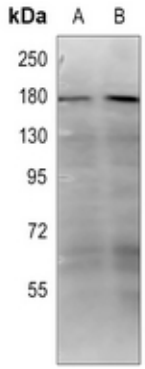
Protein Information

Name	COL18A1 (HGNC:2195)
Function	Probably plays a major role in determining the retinal structure as well as in the closure of the neural tube.
Cellular Location	Secreted, extracellular space, extracellular matrix. Secreted, extracellular space, extracellular matrix, basement membrane {ECO:0000250|UniProtKB:P39061} [Endostatin]: Secreted. Secreted, extracellular space, extracellular matrix, basement membrane
Tissue Location	Detected in placenta (at protein level) (PubMed:32337544). Present in multiple organs with highest levels in liver, lung and kidney.

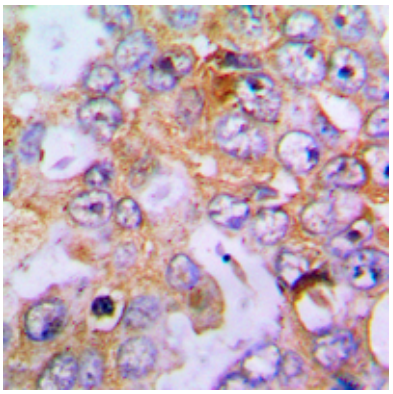
References

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Images



Western blot analysis of Collagen 18 alpha 1 expression in MCF7 (A), PC12 (B) whole cell lysates. (Predicted band size: 178 kD; Observed band size: 178 kD)



Immunohistochemical analysis of Collagen 18 alpha 1 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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