

Anti-Collagen 4 alpha 1 Antibody

Catalog # AP51106

Product Information

Application	WB, IHC
Primary Accession	P02462
Reactivity	Human, Mouse, Pig, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	160611

Additional Information

Gene ID	1282
Other Names	Collagen alpha-1(IV) chain
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Collagen 4 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

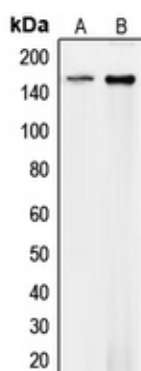
Name	COL4A1 (HGNC:2202)
Function	Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen.
Cellular Location	Secreted, extracellular space, extracellular matrix, basement membrane {ECO:0000250 UniProtKB:P02463}
Tissue Location	Highly expressed in placenta.

References

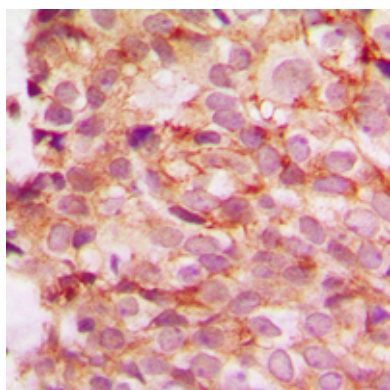
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Soininen R.,et al.J. Biol. Chem. 263:17217-17220(1988).
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Images



Western blot analysis of Collagen 4 alpha 1 expression in HEK293T (A), mouse endothelial (B) whole cell lysates. (Predicted band size: 160 kD; Observed band size: 160 kD)



Immunohistochemical analysis of Collagen 4 alpha 1 staining in human breast 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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