

For Research Use Only

COL6A1 Recombinant antibody

Catalog Number: 85704-1-RR



Basic Information

Catalog Number:

85704-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11809

GenBank Accession Number:

BC052575

GeneID (NCBI):

1291

UNIPROT ID:

P12109

Full Name:

collagen, type VI, alpha 1

Calculated MW:

1028 aa, 109 kDa

Observed MW:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

242936H3

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human kidney tissue, PC-3 cells, human heart tissue, mouse kidney tissue, mouse heart tissue

IHC : mouse liver tissue,

Background Information

Type VI Collagen is a major structural component of microfibrils. Type VI Collagen was found to be present throughout the connective tissue and in the extracellular matrix of cultured fibroblasts (PMID: 6723253). It is a heterotrimer composed of three different chains: alpha-1(VI), alpha-2(VI), and alpha-3(VI) or alpha-5(VI) or alpha-6(VI). The alpha-1(VI) chain is encoded by COL6A1 gene. Mutations in this gene result in Bethlem myopathy and Ullrich congenital muscular dystrophy.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

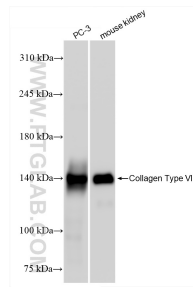
T: 4006900926

E: Proteintech-CN@ptglab.com

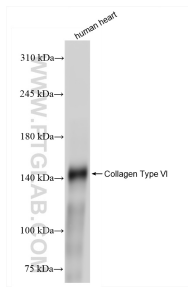
W: ptgcn.com

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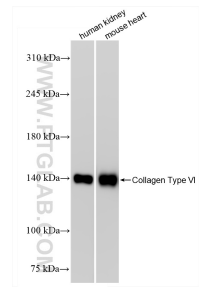
Selected Validation Data



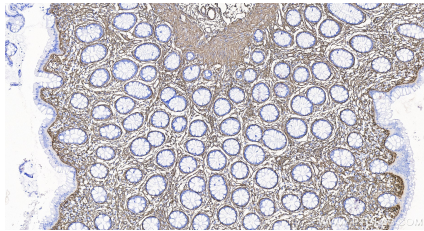
Various lysates were subjected to SDS PAGE followed by western blot with 85704-1-RR (COL6A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



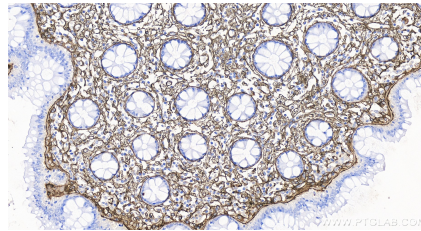
human heart tissue were subjected to SDS PAGE followed by western blot with 85704-1-RR (COL6A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



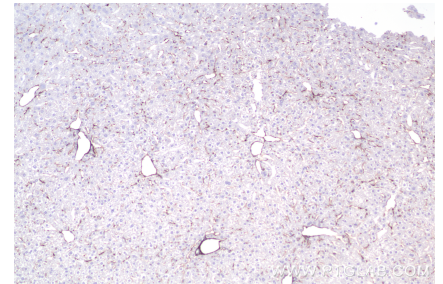
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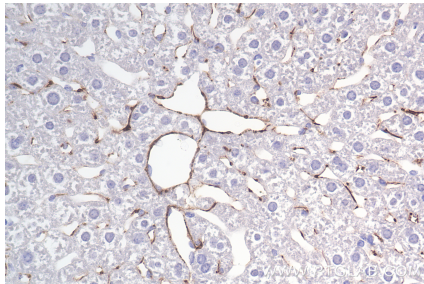
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 85704-1-RR (COL6A1 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 85704-1-RR (Collagen Type VI antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 85704-1-RR (Collagen Type VI antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).