

For Research Use Only

COL4A2 Polyclonal antibody

Catalog Number: 55131-1-AP

71 Publications



Basic Information

Catalog Number:

55131-1-AP

Concentration:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001846

GeneID (NCBI):

1284

UNIPROT ID:

P08572

Full Name:

collagen, type IV, alpha 2

Calculated MW:

168 kDa

Observed MW:

200 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:6000

IHC: 1:1000-1:4000

IF-P: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, pig

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 : HeLa cells,

IHC : human kidney tissue, human breast hyperplasia tissue, human breast cancer tissue

IF-P : human kidney tissue,

Background Information

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|----------------------|-------------|
| Lise De Moor | 34496350 | Biofabrication | IHC |
| Binghui Liu | 33320565 | ACS Biomater Sci Eng | IHC |
| Zhen-Huan Jiang | 31746345 | Int J Mol Med | |

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:

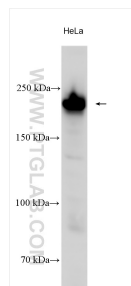
T: 4006900926

E: Proteintech-CN@ptglab.com

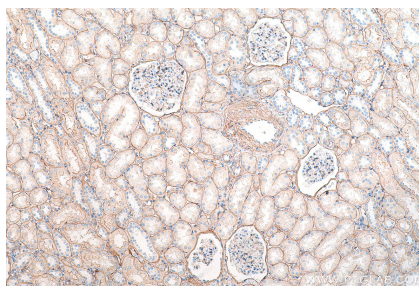
W: ptgcn.com

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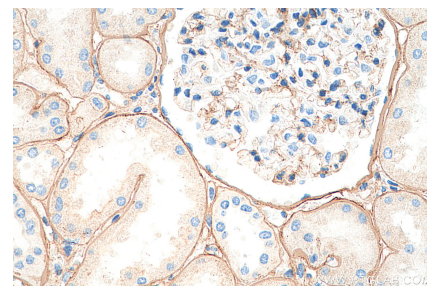
Selected Validation Data



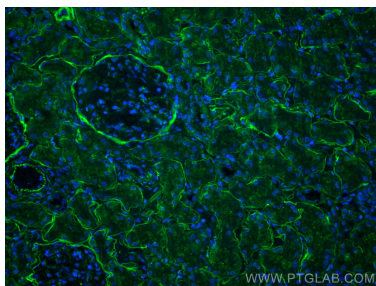
Various lysates were subjected to SDS PAGE followed by western blot with 55131-1-AP (COL4A2-specific antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



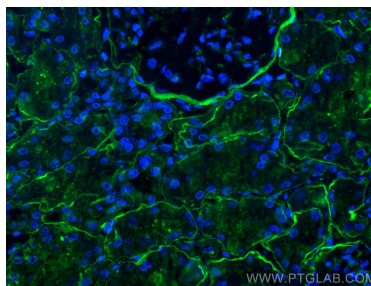
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 55131-1-AP (Collagen Type IV antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 55131-1-AP (Collagen Type IV antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using COL4A2-specific antibody (55131-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using COL4A2-specific antibody (55131-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).