

For Research Use Only

COL4A2-specific Polyclonal antibody



Catalog Number: 55131-1-AP

68 Publications

Basic Information

Catalog Number: 55131-1-AP	GenBank Accession Number: NM_001846	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop;	GeneID (NCBI): 1284	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:1000-1:4000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P08572	
Isotype: IgG	Full Name: collagen, type IV, alpha 2	
	Calculated MW: 168 kDa	
	Observed MW: 200 kDa	

Applications

Tested Applications:
IF, IHC, ELISA

Cited Applications:
IF, IHC

Species Specificity:
human, mouse, rat

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, mouse lung tissue, rat lung tissue

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

IF : human kidney tissue,

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

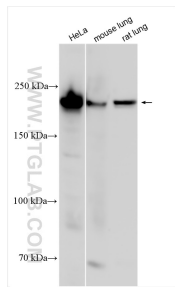
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

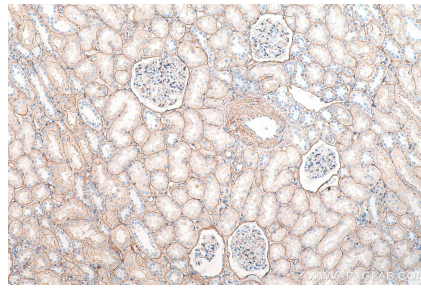
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

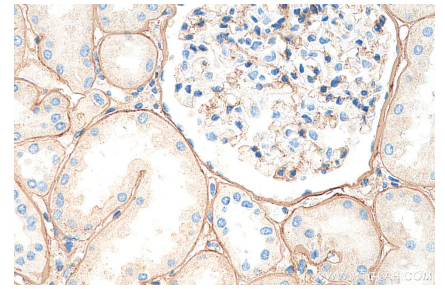
Selected Validation Data



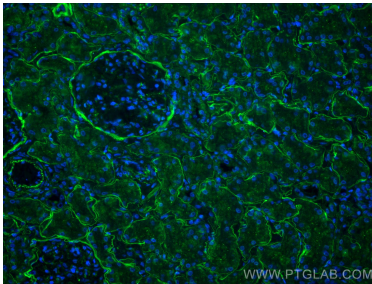
Various lysates were subjected to SDS PAGE followed by western blot with 55131-1-AP (COL4A2-specific antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



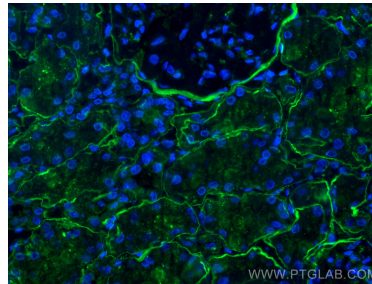
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 55131-1-AP (Collagen Type IV antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).