

For Research Use Only

# COL4A4 Polyclonal antibody

Catalog Number: 19674-1-AP

9 Publications



## Basic Information

### Catalog Number:

19674-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_000092

### GeneID (NCBI):

1286

### UNIPROT ID:

P53420

### Full Name:

collagen, type IV, alpha 4

### Calculated MW:

164 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human

### Cited Species:

human, mouse, rat, duck

### Positive Controls:

IF/ICC : HeLa cells,

## Background Information

COL4A4 belongs to the type IV collagen family. COL4A4 is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Defects in COL4A4 are a cause of Alport syndrome autosomal recessive (APSAR). Defects in COL4A4 are a cause of benign familial hematuria (BFH). This antibody is specific to COL4A4.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kaipeng Huang	29782856	Eur J Pharmacol	WB
Ningqun Wang	35697268	J Chem Neuroanat	IF
Yan Chen	39182342	Poult Sci	WB

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

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:

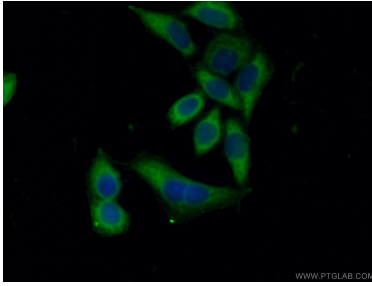
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 19674-1-AP (Collagen Type IV antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).