

For Research Use Only

# COL4A5 Polyclonal antibody

Catalog Number: 19797-1-AP

17 Publications



## Basic Information

### Catalog Number:

19797-1-AP

### Size:

150ul, Concentration: 167 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_000495

### GeneID (NCBI):

1287

### UNIPROT ID:

P29400

### Full Name:

collagen, type IV, alpha 5

### Calculated MW:

161 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human

### Cited Species:

human, mouse, rat

## Background Information

COL4A5 belongs to the type IV collagen family. 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. Defects in COL4A5 are the cause of Alport syndrome X-linked (APSX). Deletions covering the N-terminal regions of COL4A5 and COL4A6, which are localized in a head-to-head manner, are the cause of diffuse leiomyomatosis with Alport syndrome (DL-ATS) which also known as esophageal and vulval leiomyomatosis with nephropathy or Alport syndrome and diffuse leiomyomatosis (ATS-DL).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jialin Li	36073930	Pharm Biol	WB, IHC
Lu-Yao Wang	30303742	FASEB J	WB
Kai Cui	29111541	Asian J Androl	WB

## 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

\*\*\* 20ul sizes contain 0.1% BSA

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

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