

For Research Use Only

# Collagen Type IV Polyclonal antibody



Catalog Number: 19797-1-AP

15 Publications

## Basic Information

Catalog Number:

19797-1-AP

Size:

170  $\mu$ g/ml

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, IF, IHC

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data