

For Research Use Only

# Collagen Type IV Polyclonal antibody



Catalog Number: 19797-1-AP

15 Publications

## Basic Information

<b>Catalog Number:</b> 19797-1-AP	<b>GenBank Accession Number:</b> NM_000495	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 167 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1287	
<b>Source:</b> Rabbit	<b>Full Name:</b> collagen, type IV, alpha 5	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 161 kDa	

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
IF, IHC, WB

**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

\*\*\* 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)  
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## Selected Validation Data