For Research Use Only

COL4A5 Polyclonal antibody

Catalog Number:19797-1-AP 16 Publications

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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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Selected Validation Data