

For Research Use Only

Collagen Type IV Polyclonal antibody



Catalog Number: 19674-1-AP

3 Publications

Basic Information

| | | |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------|
| Catalog Number: 19674-1-AP | GenBank Accession Number: NM_000092 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 1286 | Recommended Dilutions: IF 1:50-1:500 |
| Source: Rabbit | Full Name: collagen, type IV, alpha 4 | |
| Isotype: IgG | Calculated MW: 164 kDa | |

Applications

| | |
|------------------------------------------|-----------------------------------------------|
| Tested Applications: IF, ELISA | Positive Controls: IF : HeLa cells, |
| Cited Applications: IF, WB | |
| Species Specificity: human | |
| Cited Species: rat | |

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 |
| Biyu Hou | 37797872 | J Ethnopharmacol | WB |

Storage

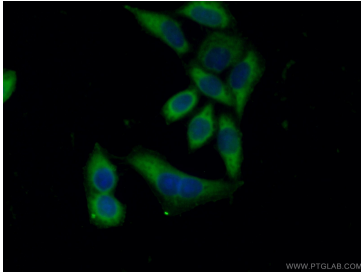
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



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).