

For Research Use Only

Collagen Type XXVIII Polyclonal antibody



Catalog Number: 24401-1-AP

Basic Information

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|---|---|---|
| Catalog Number: 24401-1-AP | GenBank Accession Number: BC136892 | Purification Method: Antigen affinity purification |
| Size: 900 µg/ml | GeneID (NCBI): 340267 | Recommended Dilutions: WB 1:500-1:1000 IF 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q2UY09 | |
| Isotype: IgG | Full Name: collagen, type XXVIII, alpha 1 | |
| Immunogen Catalog Number: AG21459 | Calculated MW: 1125 aa, 117 kDa | |
| | Observed MW: 72 kDa, 100-117 kDa | |

Applications

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| Tested Applications: IF/ICC, WB, ELISA | Positive Controls: WB : HEK-293 cells, HeLa cells IF : A431 cells, U2OS cells |
| Species Specificity: human | |

Background Information

COL28A1 (collagen type XXVIII alpha 1 chain), also known as COL28. It is expected to be located in the basement membranes, cytoplasm and nucleus. And the protein is mainly expressed in salivary gland and adrenal. This antibody can recognize the 117 kDa and 72 kDa isoforms of target. COL28A1 is a new collagen that cannot clearly be assigned to any collagen subgroup, despite the fact that it contains VWA domains. Ongoing investigations will shed further light on the role of COL28A1 in the assembly of nerve fiber basement membranes. Although no human mutation has been associated with COL28A1, it is tempting to speculate that mutations in this gene would lead to neurodegenerative disease (PMID: 16330543).

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:

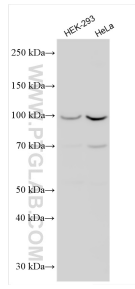
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E: Proteintech-CN@ptglab.com

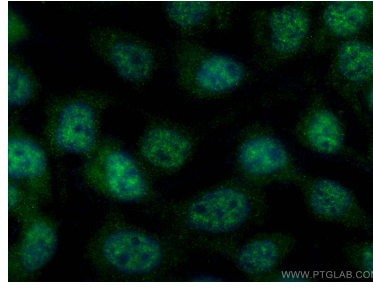
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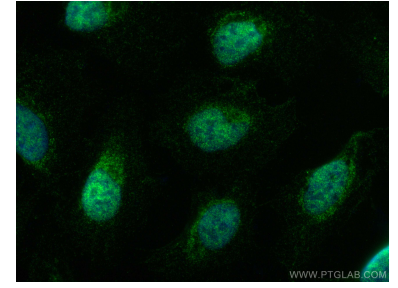
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24401-1-AP (Collagen Type XXVIII antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Collagen Type XXVIII antibody (24401-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using Collagen Type XXVIII antibody (24401-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).