

For Research Use Only

Collagen Type XXVIII Polyclonal antibody



Catalog Number: 24401-1-AP

Basic Information

Catalog Number: 24401-1-AP	GenBank Accession Number: BC136892	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop;	GeneID (NCBI): 340267	Recommended Dilutions: WB 1:500-1:1000 IF 1:50-1:500
Source: Rabbit	Full Name: collagen, type XXVIII, alpha 1	
Isotype: IgG	Calculated MW: 1125 aa, 117 kDa	
Immunogen Catalog Number: AG21459	Observed MW: 72 kDa, 100-117 kDa	

Applications

Tested Applications: IF, 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

*** 20ul sizes contain 0.1% BSA

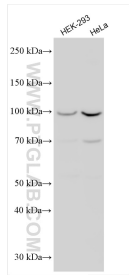
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

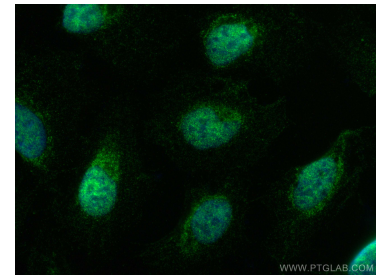
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Selected Validation Data



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).