

For Research Use Only

Collagen Type XII Polyclonal antibody

Catalog Number: 30045-1-AP



Basic Information

Catalog Number:

30045-1-AP

Size:

150ul , Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32602

GenBank Accession Number:

NM_004370

GeneID (NCBI):

1303

UNIPROT ID:

Q99715

Full Name:

collagen, type XII, alpha 1

Calculated MW:

333kd

Observed MW:

310-333 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : BxPC-3 cells, HeLa cells, SKOV-3 cells, C2C12 cells

IF/ICC : U2OS cells,

Background Information

COL12A1 (Collagen alpha-1(XII) chain), also known as COL12A1L. It is predicted to be located in the ECM. Type XII collagen interacts with type I collagen-containing fibrils, the COL1 domain could be associated with the surface of the fibrils, and the COL2 and NC3 domains may be localized in the perifibrillar matrix. The molecular weight of COL12A1 is 333 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

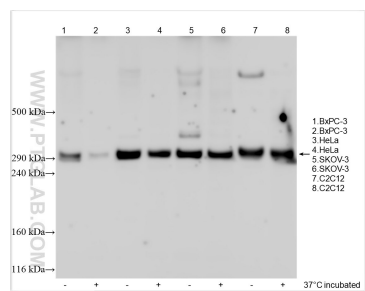
For technical support and original validation data for this product please contact:

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

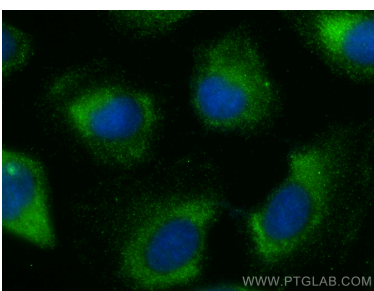
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30045-1-AP (COL12A1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using COL12A1 antibody (30045-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).