

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Collagen Type III (N-terminal)



Numéro de catalogue: 22734-1-AP

Phare

329 Publications

## Informations de base

Numéro de catalogue:

22734-1-AP

Taille:

150ul, Concentration: 900 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG18658

Numéro d'acquisition GenBank:

BC028178

Identification du gène (NCBI):

1281

Nom complet:

collagen, type III, alpha 1

MW calculé

1466 aa, 139 kDa

MW observés:

140-180 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:300-1:1000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:500-1:2000

IF 1:50-1:500

## Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

canin, Humain, Lapin, porc, rat, souris, Hamster

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : tissu cutané de souris, tissu cutané de rat

IP : tissu cutané de souris,

IHC : tissu de cirrhose hépatique humain, tissu cardiaque de souris, tissu cutané humain, tissu de cancer de la peau humain, tissu de cancer du pancréas humain, tissu de côlon de souris, tissu de côlon humain, tissu de mélanome malin humain, tissu hépatique de souris, tissu rénal de souris

IF : tissu de côlon humain,

## Informations générales

Type III collagen is a fibrillar forming collagen comprising three  $\alpha 1(\text{III})$  chains and is expressed in early embryos and throughout embryogenesis (PMID: 9050868). In the adult, type III collagen is a major component of the extracellular matrix in a variety of internal organs and skin. It occurs in most soft connective tissues along with type I collagen (PMID: 2445760). COL3A1 gene encodes type III procollagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms (PMID: 10706896; 2243125; 18389341). This antibody raised against 24-152 aa of prepro  $\alpha 1(\text{III})$  chain of human type III procollagen detects type III procollagen at 140-180 kDa and also in some lysates reveals a 70-kDa band which has been reported and may represent a cleaved form of type III procollagen (PMID: 17424834; 19648160; 22802960).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Lexun Wang	34621323	Evid Based Complement Alternat Med	WB
Dandan Zhang	36225554	Front Pharmacol	WB
Yu Sun	34562065	J Cell Mol Med	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azotate de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

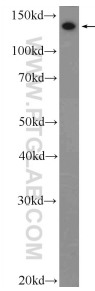
For technical support and original validation data for this product please contact:

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

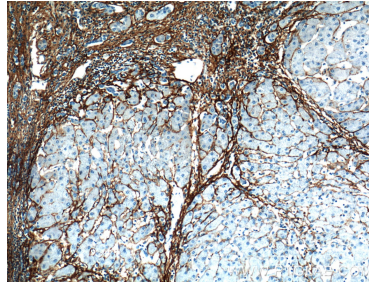
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

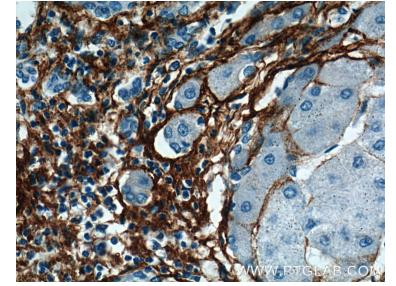
## Données de validation sélectionnées



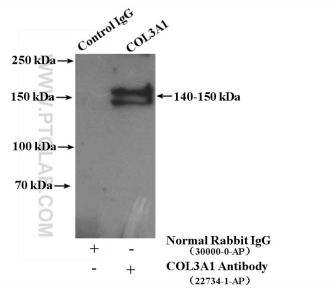
mouse skin tissue were subjected to SDS PAGE followed by western blot with 22734-1-AP (Collagen Type III (N-terminal) antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



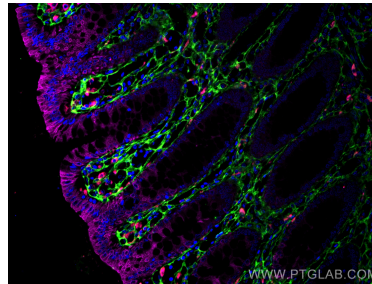
Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 22734-1-AP (Collagen Type III (N-terminal) antibody at dilution of 1:1000 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 22734-1-AP (Collagen Type III (N-terminal) antibody at dilution of 1:1000 (under 40x lens).



IP Result of anti-Collagen Type III (N-terminal) (IP:22734-1-AP, 4ug; Detection:22734-1-AP 1:500) with mouse skin tissue lysate 3200ug.



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using Collagen Type III (N-terminal) antibody (22734-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), Cytokeratin 20 antibody (60183-1-Ig, Clone: 4D10A4, Magenta), CoraLite®594 CD68 antibody (CL594-25747, red).