

For Research Use Only

# HRP-conjugated Collagen Type III (N-terminal) Polyclonal antibody



Catalog Number: HRP-22734

1 Publications

## Basic Information

Catalog Number:

HRP-22734

Size:

1000  $\mu$ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18658

GenBank Accession Number:

BC028178

GeneID (NCBI):

1281

UNIPROT ID:

P02461

Full Name:

collagen, type III, alpha 1

Calculated MW:

1466 aa, 139 kDa

Observed MW:

140-180 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : rat skin tissue,

## Background Information

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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhao-Nan Wang	38236154	J Burn Care Res	WB

## Storage

Storage:

Store at  $-20^{\circ}\text{C}$ . Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for  $-20^{\circ}\text{C}$  storage

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

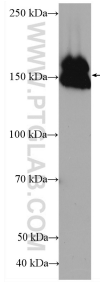
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

## Selected Validation Data



rat skin tissue were subjected to SDS PAGE followed by western blot with HRP-22734 (Collagen Type III (N-terminal) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.