

For Research Use Only

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



Catalog Number: HRP-22734

1 Publications

## Basic Information

<b>Catalog Number:</b> HRP-22734	<b>GenBank Accession Number:</b> BC028178	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1281	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Source:</b> Rabbit	<b>Full Name:</b> collagen, type III, alpha 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1466 aa, 139 kDa	
<b>Immunogen Catalog Number:</b> AG18658	<b>Observed MW:</b> 140-180 kDa	

## Applications

<b>Tested Applications:</b> WB	<b>Positive Controls:</b> WB : rat skin tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> mouse	

## 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

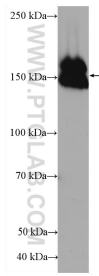
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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



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.