

For Research Use Only

Collagen Type III (C-terminal) Polyclonal antibody



Catalog Number: 13548-1-AP

Featured Product

46 Publications

Basic Information

Catalog Number: 13548-1-AP	GenBank Accession Number: BC028178	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1281	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P02461	
Isotype: IgG	Full Name: collagen, type III, alpha 1	
Immunogen Catalog Number: AG4229	Calculated MW: 1466 aa, 139 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human hepatocirrhosis tissue,
Cited Applications: WB, IHC, IF	
Species Specificity: human, mouse, rat, pig	
Cited Species: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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. 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. COL3A1 gene encodes type III procollagen. Mutations in this gene are associated with type III and IV Ehlers-Danlos syndrome, and with aortic and arterial aneurysms. (PMID: 9050868; 2445760)

Notable Publications

Author	Pubmed ID	Journal	Application
Gabriel Komla Adzika	34631707	Front Cell Dev Biol	WB
Hai-Han Liao	29147465	Oxid Med Cell Longev	IHC
Hanna Engqvist	31533654	BMC Cancer	IHC

Storage

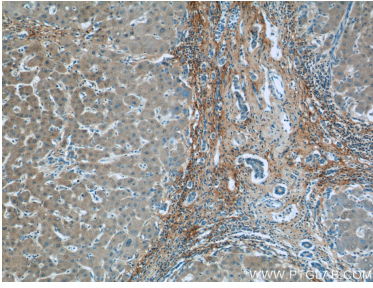
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

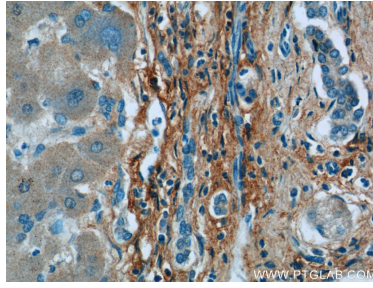
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 13548-1-AP (Collagen Type III (C-terminal) antibody at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 13548-1-AP (Collagen Type III (C-terminal) antibody at dilution of 1:100 (under 40x lens).