

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

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4229

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 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC, ELISA

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

Positive Controls:

IHC : human hepatocirrhosis 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. 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

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

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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).