

## Collagen III Antibody

Catalog No: #33341

Package Size: #33341-1 50ul #33341-2 100ul

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## Description

Product Name	Collagen III Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total collagen III protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human collagen III.
Target Name	Collagen III
Other Names	Collagen alpha 1; Collagen alpha 1(III) chain [Precursor];
Accession No.	Swiss-Prot: P02461NCBI Gene ID: 1281
Uniprot	P02461
GeneID	1281;
SDS-PAGE MW	138kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

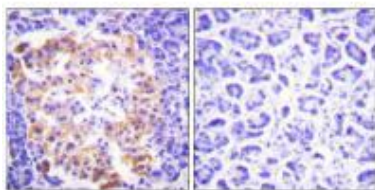
## Application Details

Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

## Images

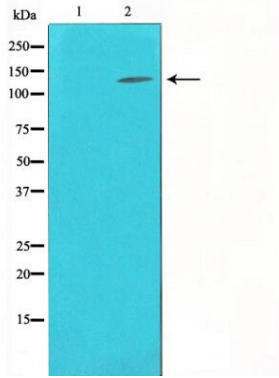


Immunohistochemistry analysis of paraffin-embedded human pancreas tissue, using Collagen III antibody #33341.

Immunofluorescence analysis of HeLa cells, using Collagen III antibody #33341.



Western blot analysis of extracts from Hela, using Collagen III Antibody. The lane on the left was treated with the antigen-specific peptide.



## Background

Collagen type III occurs in most soft connective tissues along with type I collagen. Involved in regulation of cortical development. Is the major ligand of GPR56 in the developing brain and binding to GPR56 inhibits neuronal migration and activates the RhoA pathway by coupling GPR56 to GNA13 and possibly GNA12.

Arja Lamberg, J. Biol. Chem., May 1996; 271: 11988.

GW Conrad, J. Cell Biol., Mar 1980; 84: 501.

DR Keene, J. Cell Biol., Nov 1987; 105: 2393.

HM Wang, J. Histochem. Cytochem., Nov 1980; 28: 1215.

Note: This product is for in vitro research use only