

## Basic Information

<b>Product Name</b>	Anti-Collagen Type III/COL3A1 Antibody (Clone#26C74)		
<b>Gene Name</b>	COL3A1		
<b>Source</b>	Rabbit		
<b>Isotype</b>	IgG		
<b>Species Reactivity</b>	human		
<b>Tested Application</b>	WB, ICC/IF, IP, FCM		
<b>Contents</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.5mg/ml BSA.		
<b>Immunogen</b>	A synthesized peptide derived from Collagen III		
<b>concentration</b>	500 ug/ml		
<b>Purification</b>	Affinity-chromatography		
<b>Observed MW</b>	150KD-200KD		
<b>Dilution Ratios</b>	Western blot (WB):1:500-2000 ICC/IF: 1:50-1:200 IP: 1:50 FCM: 1:50		

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

COL3A1, also called EDS4A or Collagen alpha-1(III), is a protein that in humans is encoded by the COL3A1 gene. It is mapped to 2q32.2. COL3A1 chain is a fibrillar-forming collagen comprising 3 alpha-1(III) chains and is expressed in early embryos and throughout embryogenesis. In adult, COL3A1 is a major component of the extracellular matrix in a variety of internal organs and skin. COL3A1 is also a fibrous scleroprotein in bone, cartilage, dentin, tendon, bone marrow stroma and other connective tissue. It is involved in regulation of cortical development, and it is the major ligand of GPR56 in the developing brain. COL3A1 binding to GPR56 can inhibit neuronal migration and activate the RhoA pathway by coupling GPR56 to GNA13 and possibly GNA12.

## Selected Validation Data

Product datasheet

**Anti-Collagen Type III/COL3A1  
Antibody (Clone#26C74)**

**Catalog Number: M00788-1**

**BOSTER**

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