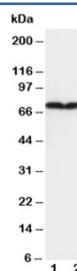


## COL3A1 Antibody / Collagen III [clone Col-29] (R30026)

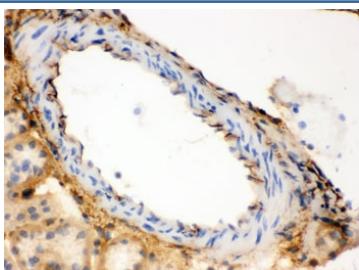
Catalog No.	Formulation	Size
R30026	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	Col-29
Purity	Ascites
Gene ID	1281
Applications	Western Blot : 0.25-0.5ug/ml IHC (Frozen) : 0.5-1ug/ml-formalin/acetone fixed tissues
Limitations	This COL3A1 antibody is available for research use only.



Western blot testing of COL3A1 antibody and Lane 1: HT1080; 2: COLO320 cell lysate.  
Expected molecular weight ~139 kDa, observed here at ~70 kDa.



IHC testing of frozen mouse kidney tissue with COL3A1 antibody.

## Description

Collagen type III, also known as COL3A1, is assigned to chromosome 2. Ultrastructural analysis of tissues from mutant mice revealed that type III collagen is essential for normal collagen I fibrillogenesis in the cardiovascular system and other organs. Type III collagen is crucial for collagen I fibrillogenesis and for normal cardiovascular development.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the COL3A1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human collagen type III was used as the immunogen for this COL3A1 antibody.

## Storage

After reconstitution, the COL3A1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.