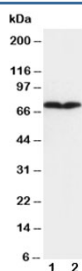


COL3A1 Antibody / Collagen III [clone Col-29] (R30026)

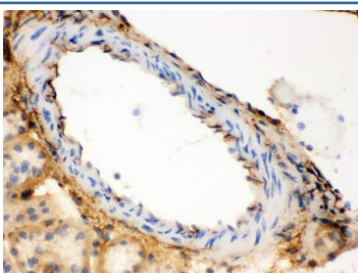
Catalog No.	Formulation	Size
R30026	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Ascites
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.