

Collagen III (PT0180R) PT® Rabbit mAb

Catalog No :	YM8111
Reactivity :	Human; Mouse; Rat;
Applications :	WB;IHC;IF;IP;ELISA
Target :	Collagen III
Fields :	>>Platelet activation;>>Relaxin signaling pathway;>>AGE-RAGE signaling pathway in diabetic complications;>>Protein digestion and absorption;>>Amoebiasis;>>Diabetic cardiomyopathy
Gene Name :	COL3A1
Protein Name :	Collagen alpha-1(III) chain
Human Gene Id :	1281
Human Swiss Prot No :	P02461
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	IHC 1:20-100,WB 1:1000-5000,IF 1:200-1000,ELISA 1:5000-20000,IP 1:50-200
Purification :	Protein A
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	150kD
Observed Band :	150kD
Cell Pathway :	Focal adhesion;ECM-receptor interaction;

Background : collagen type III alpha 1 chain(COL3A1) Homo sapiens This gene encodes the pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalgleish, Feb 2008],

Function : disease:Defects in COL3A1 are a cause of Ehlers-Danlos syndrome type 3 (EDS3) [MIM:130020]; also known as benign hypermobility syndrome. EDS is a connective tissue disorder characterized by hyperextensible skin, atrophic cutaneous scars due to tissue fragility and joint hyperlaxity. EDS3 is a form of Ehlers-Danlos syndrome characterized by marked joint hyperextensibility without skeletal deformity.,disease:Defects in COL3A1 are a cause of susceptibility to aortic aneurysm abdominal (AAA) [MIM:100070]. AAA is a common multifactorial disorder characterized by permanent dilation of the abdominal aorta, usually due to degenerative changes in the aortic wall. Histologically, AAA is characterized by signs of chronic inflammation, destructive remodeling of the extracellular matrix, and depletion of vascular smooth muscle cells.,disease:Defects in COL3A1 are the cause of Ehlers-Danlos syndrome t

Subcellular Location : Cytoplasm

Expression : Colon carcinoma,Liver,Placenta,Skin fibroblast,

Tag : hot,recombinant

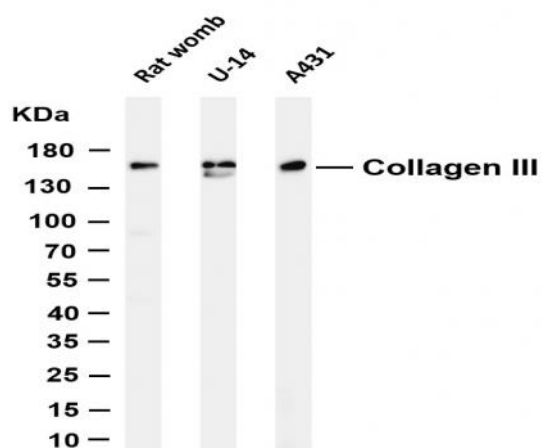
Sort : 551

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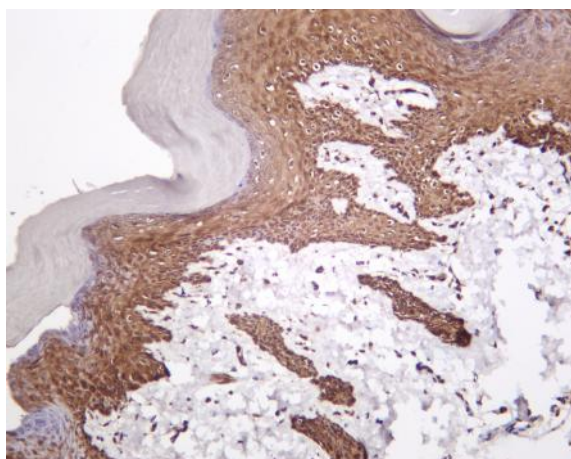
Host : Rabbit

Modifications : Unmodified

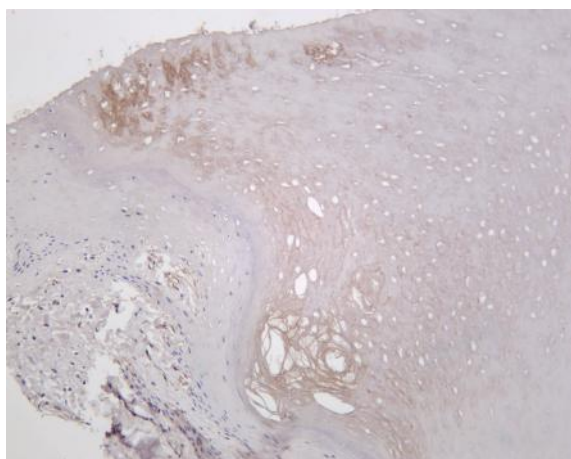
Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Collagen III (PT0180R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Rat womb Lane 2: Hela Lane 3: U-14 Lane 5: A431 Predicted band size: 150kDa Observed band size: 150kDa



Rat skin was stained with Anti-Collagen III (PT0180R) rabbit antibody



Human skin was stained with Anti-Collagen III (PT0180R) rabbit antibody