Best Tools for immunology Research

Collagen Type III (PT0118) mouse mAb

Catalog No :	YM6620
Reactivity :	Human
Applications :	WB;IHC;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
Immunogen :	Synthesized peptide derived from human Collagen Type III AA range: 100-200
Specificity :	This antibody detects endogenous levels of human Collagen Type III. Heat-induced epitope retrieval (HIER) Citrate buffer of pH6.0/Pepsin was highly recommended as antigen repair method in paraffin se
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Mouse, Monoclonal/IgG1, Kappa
Dilution :	IHC-p 1:200-400,WB 1:100-2000., ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Background :	collagen type III alpha 1 chain(COL3A1) Homo sapiens This gene encodes the

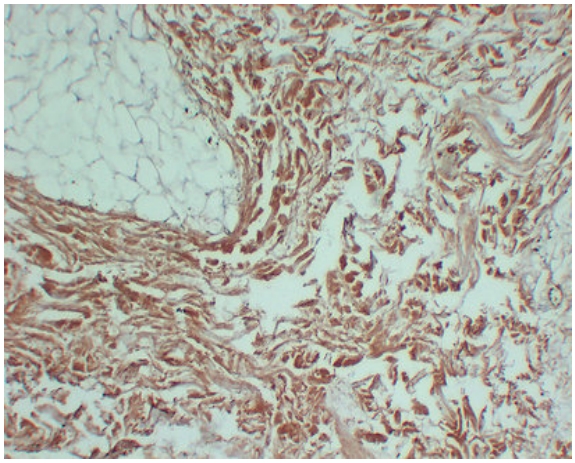
pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with 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

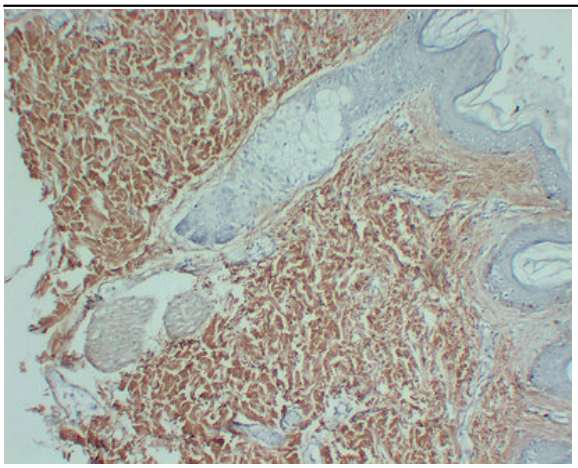
Subcellular Location : Secreted, extracellular space, extracellular matrix .

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

Products Images



Immunohistochemical analysis of paraffin-embedded Skin. 1, Antibody was diluted at 1:200(4° overnight). 2, Citrate buffer of pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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