



Cleaved-COL3A1 (G1221) Polyclonal Antibody

Catalog No	YP-Ab-16801
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	ELISA
Gene Name	COL3A1
Immunogen	The antiserum was produced against synthesized peptide derived from human Collagen III alpha1. AA range:1172-1221
Specificity	Cleaved-COL3A1 (G1221) Polyclonal Antibody detects endogenous levels of fragment of activated COL3A1 protein resulting from cleavage adjacent to G1221.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Alpha 1 type III collagen;Alpha1 (III) collagen;CO3A1_HUMAN;COL 3A1; COL3A1;Collagen alpha 1(III) chain;Collagen alpha-1(III) chain;Collagen III alpha 1 chain precursor;Collagen III alpha 1 polypeptide;Collagen type III alpha 1 (Ehlers Danlos syndrome type IV autosomal dominant);Collagen type III alpha 1;Collagen type III alpha 1 chain;Collagen type III alpha;Collagen;fetal;EDS4A; Ehlers Danlos syndrome type IV;autosomal dominant;Fetal collagen;Type III collagen;Collagen III
Observed Band	95kD
Calculated Molecular Weight	95kD
Cell Pathway	Secreted, extracellular space, extracellular matrix .
Tissue Specificity	Colon carcinoma,Liver,Placenta,Skin fibroblast,
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

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],

matters needing attention

Avoid repeated freezing and thawing!

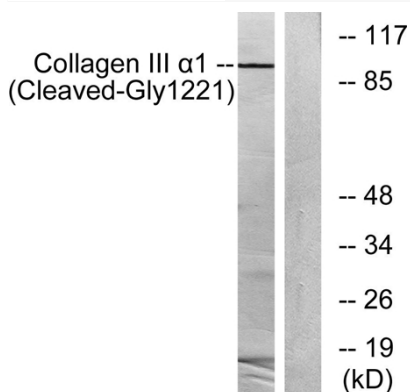
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Cleaved-COL3A1 (G1221) Polyclonal Antibody



Western blot analysis of lysates from A549 cells, treated with etoposide 25uM 24h, using Collagen III alpha1 (Cleaved-Gly1221) Antibody. The lane on the right is blocked with the synthesized peptide.