



Cleaved-COL3A1 (G1221) Polyclonal Antibody

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|---------------------------|--|
| Catalog No | BYab-16801 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | ELISA |
| Gene Name | COL3A1 |
| Protein Name | Collagen alpha-1(III) chain |
| 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 | COL3A1; Collagen alpha-1(III) chain |
| Observed Band | 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 |

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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. Dalglish, Feb 2008],

matters needing attention

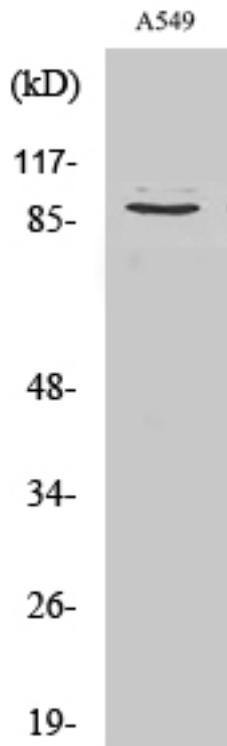
Avoid repeated freezing and thawing!

Usage suggestions

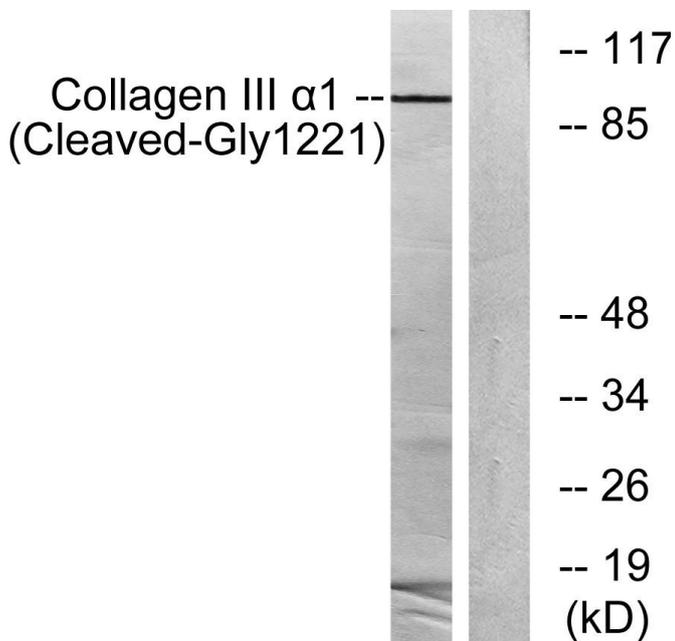
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



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.