

## Cleaved COL3A1 (Gly1221) Rabbit pAb

CatalogNo: YC0050

Orthogonal Validated 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human,Rat,Mouse,

#### Applications

- WB,ELISA

#### MW

- 95kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**ELISA 1:10000****WB 1:1000-1:5000****Not yet tested in other applications.**

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

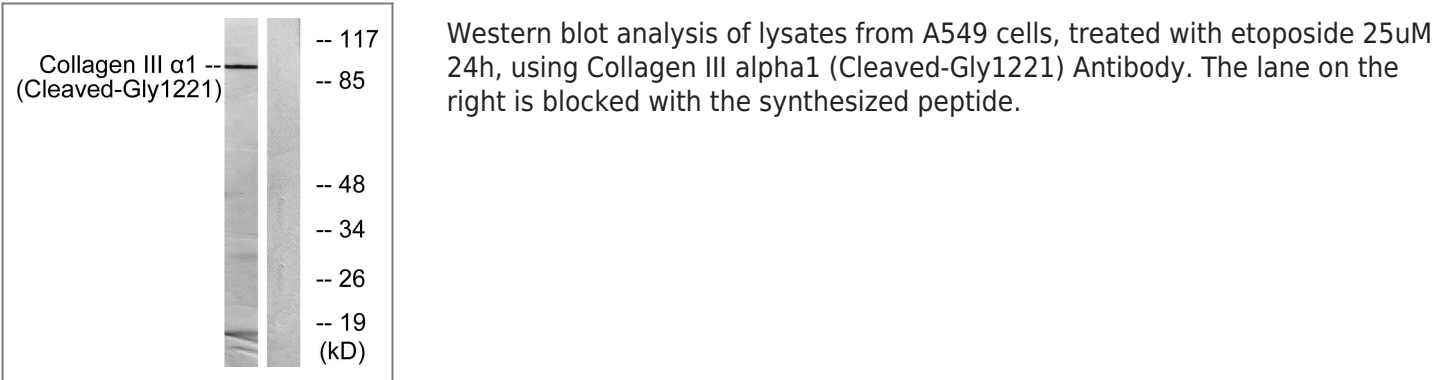
### Immunogen Information

**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.

### Target Information

Gene name	COL3A1		
Protein Name	Collagen alpha-1(III) chain		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">1281</a> ;	<a href="#">P02461</a> ;
	Mouse		<a href="#">P08121</a> ;
Cellular Localization	Secreted, extracellular space, extracellular matrix .		
Tissue specificity	Colon carcinoma,Liver,Placenta,Skin fibroblast,		
Function	<p>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 type 4 (EDS4) [MIM:130050]. EDS is a connective tissue disorder characterized by hyperextensible skin, atrophic cutaneous scars due to tissue fragility and joint hyperlaxity. EDS4 is the most severe form of the disease. It is characterized by the joint and dermal manifestations as in other forms of the syndrome, characteristic facial features (acrogeria) in most patients, and by proneness to spontaneous rupture of bowel and large arteries. The vascular complications may affect all anatomical areas.,Function:Collagen type III occurs in most soft connective tissues along with type I collagen.,online information:Collagen type III alpha-1 chain mutations,online information:Type-III collagen entry,PTM:O-linked glycan consists of a Glc-Gal disaccharide bound to the oxygen atom of a post-translationally added hydroxyl group.,PTM:Proline residues at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.,similarity:Belongs to the fibrillar collagen family.,similarity:Contains 1 VWFC domain.,subunit:Trimers of identical alpha 1(III) chains. The chains are linked to each other by interchain disulfide bonds. Trimers are also cross-linked via hydroxylysines.,</p>		

Validation Data



## | Contact information

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Please scan the QR code  
to access additional  
product information:  
**Cleaved COL3A1  
(Gly1221) Rabbit  
pAb**

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For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)