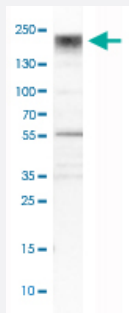


COL3A1 polyclonal antibody

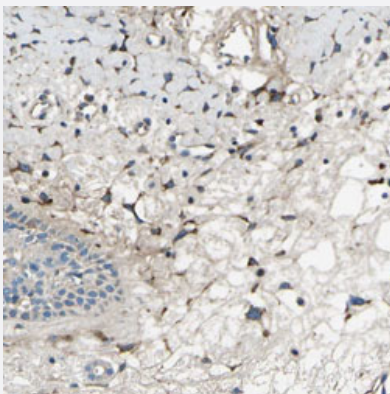
Catalog # PAB31390 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate with COL3A1 polyclonal antibody (Cat # PAB31390).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human nasopharynx with COL3A1 polyclonal antibody (Cat # PAB31390) shows distinct positivity in fibroblasts.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human COL3A1.
Immunogen	Recombinant protein corresponding to human COL3A1.
Sequence	RGERGSEGSPGHGPGQPGPPGPPGAPGPCCGGVGAAAAGIGGEKAGGFAPYYGDEPMDFKINT DEIMTSLKSVNGQIESLISPDGSRKNPARNCRDLKFCHPE
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate with COL3A1 polyclonal antibody (Cat # PAB31390).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human nasopharynx with COL3A1 polyclonal antibody (Cat # PAB31390) shows distinct positivity in fibroblasts.

Gene Info — COL3A1

Entrez GeneID	1281
Protein Accession#	P02461
Gene Name	COL3A1
Gene Alias	EDS4A, FLJ34534
Gene Description	collagen, type III, alpha 1
Omim ID	120180 130020 130050
Gene Ontology	Hyperlink

Gene Summary

This gene encodes the pro- $\alpha 1$ 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]

Other Designations

Ehlers-Danlos syndrome type IV, autosomal dominant| $\alpha 1$ (III) collagen|collagen type III $\alpha 1$ |collagen, fetal

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)

Disease

- [Aneurysm](#)
- [Angina](#)
- [Aortic Aneurysm](#)
- [Aortic Rupture](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Connective Tissue Diseases](#)
- [Coronary Disease](#)
- [Cystocele](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Gastroesophageal Reflux](#)
- [Genetic Predisposition to Disease](#)

- [Hemorrhage](#)
- [Hepatitis B](#)
- [Hernia](#)
- [Infection](#)
- [Inflammation](#)
- [Intervertebral Disk Displacement](#)
- [Intracranial Aneurysm](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Marfan syndrome](#)
- [Metabolic Syndrome X](#)
- [Mitral Valve Prolapse](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Rectal Prolapse](#)
- [Renal Insufficiency](#)
- [Skin Diseases](#)
- [Vertebral Artery Dissection](#)
- [Werner syndrome](#)