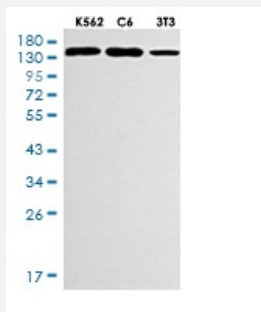


RecomAb™

COL3A1 recombinant monoclonal antibody, clone R06-4E1

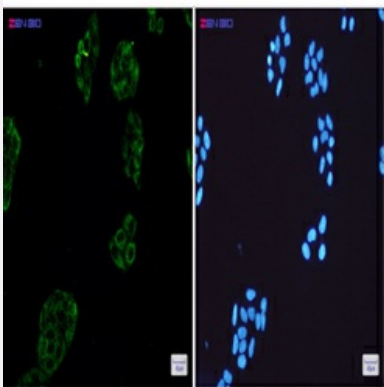
Catalog # RAB01283 Size 100 uL

Applications



Western Blot

Western blot analysis of Collagen III in K562, C6, 3T3 lysates using Collagen III alpha 1 antibody.



Immunocytochemistry

Immunocytochemistry analysis of Collagen III(green) in Hela using Collagen III antibody, and DAPI(blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human COL3A1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human Collagen III.
Theoretical MW (kDa)	Calculated MW: 139 k
Reactivity	Human

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For longer storage, aliquot and 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

Western blot analysis of Collagen III in K562, C6, 3T3 lysates using Collagen III alpha 1 antibody.

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Immunocytochemistry analysis of Collagen III(green) in Hela using Collagen III antibody,and DAPI(blue).

- Immunofluorescence

- Immunoprecipitation

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-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]
Other Designations	Ehlers-Danlos syndrome type IV, autosomal dominant alpha1 (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](#)