

Collagen Type I A1 Mouse mAb (AM10002)

Key Features

Host Species:	Mouse
Reactivity:	Human,Mouse,Rat
Applications:	IHC,WB,IF,ELISA
Isotype:	IgG2b,Kappa
	139kD (Calculated)
MW:	220kD (Observed)

Recommended Dilution Ratios

IHC:	1:200-1000
WB:	1:500-2000
IF:	1:100-500
ELISA	1:1000-5000

Storage	-15°C to -25°C/1 year (Do not lower than -25°C)
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Basic Information

Clonality	Monoclonal
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Immunogen Information

Specificity	The antibody can specifically recognize human Collagen Type I alpha 1 protein, can not recognize Collagen Type I alpha 2, collagen types II, III, IV and V do not respond to the antibody.
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Target Information

Gene name	COL1A1
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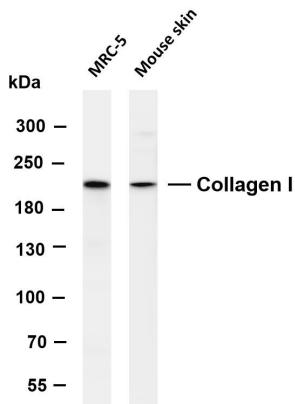
Protein Name	Collagen I α 1 (Cleaved-Ala1218)
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Organism	Gene ID	UniProt ID
Human	1277	P02452
Mouse	12842	P11087
Rat	29393	P02454

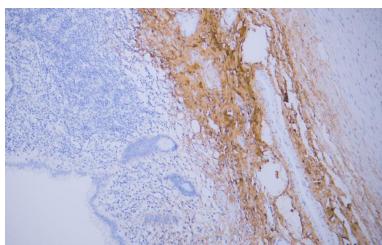
Cellular Localization	Secreted, extracellular space, extracellular matrix.
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Tissue specificity	Forms the fibrils of tendon, ligaments and bones. In bones the fibrils are mineralized with calcium hydroxyapatite.
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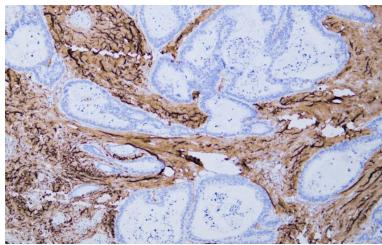
Validation Data



Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-Collagen I antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: MRC-5 Lane 2: Mouse skin Predicted band size: 139kDa Observed band size: 220kDa



Human appendix tissue was stained with Anti-Collagen Type I Antibody.



Human colon carcinoma tissue was stained with Anti-Collagen Type I Antibody.

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