

Anti-Collagen 1, alpha 1 telopeptide Antibody

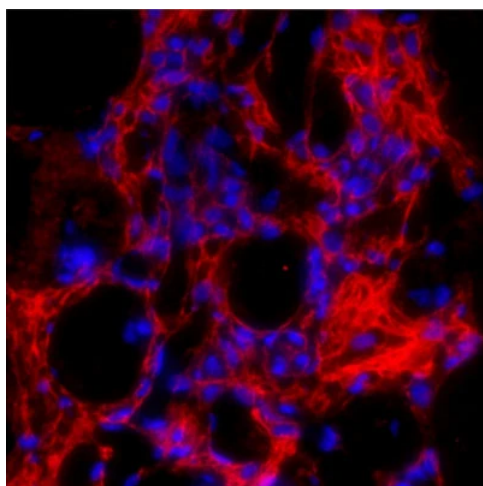


Product Details

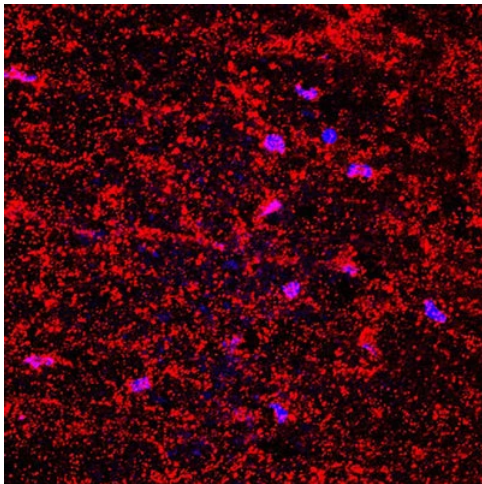
Available Variants	100 µL (SKU:322-COLT) 25 µL (SKU:322-COLTt)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	COL1A1
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS
Production Notes	Affinity purified rabbit serum.
Applications	ELISA, IHC, WB
Dilution Ranges	WB: 1:1000 IHC: 1:100-1:200
Species Reactivity	Human, Mouse, Rat, Sheep
Immunogen	Synthetic peptide corresponding to amino acid residues specific to the C-terminal region of human collagen I alpha 1 telopeptide, conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~140 kDa collagen I alpha-1 telopeptide portion of the collagen I alpha-1 polypeptide. The antibody works well for immunohistochemistry on paraformaldehyde-fixed sections with a simple antigen-retrieval protocol (incubate slides for 20 minutes at 90° C in 10 mM sodium citrate (pH 6.0) / 0.1% Tween-20). Note that in paraffin sections of formaldehyde-fixed fibrotic mouse lung tissue, the antibody recognizes mature collagen I that has formed fibrils in the extracellular matrix.
Molecular Weight	140 kDa

Quality Control	Western blots performed on each lot.
Storage	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage) upon arrival and stored long term at -20° C or -80° C, while keeping a working aliquot stored at 4° C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year.
Antibody Registry ID	AB_2492061
UniProt ID	<u>P02452</u>
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Expected Reactivity	Bovine, Canine, Chicken, Feline, Finch, Goat, Guinea Pig, Hamster, Horse, Non-Human Primate, Rabbit, Vole, Xenopus
NCBI Gene ID	1277

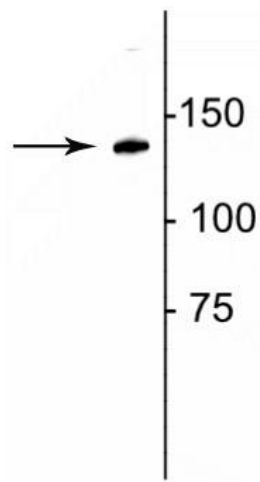
Product Images



Immunostaining of formaldehyde-fixed fibrotic mouse lung tissue. The antibody recognizes mature collagen I (Cat. 322-COLT, 1:100, red) that has formed fibrils in the extracellular matrix. The blue is staining nuclear DNA.



Immunofluorescence of a transversal section from mouse spinal cord labeling fibers of collagen (Cat. : 322-COLT, red, 1:200) from the tissue scaffold. The blue is DAPI counterstaining nuclear DNA. Image kindly provided by Dr. Rodolfo Gatto and Dr. Gerardo Morfini, Department of Anatomy and Cell biology, University of Illinois at Chicago.



Western blot of rat lung lysate showing specific immunolabeling of the ~140 kDa collagen protein.

Product Page URL: www.antibodiesinc.com/products/anti-collagen-1-alpha-1-telopeptide-antibody-322-colt



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