

Anti-Collagen 1, alpha 1 propeptide Antibody

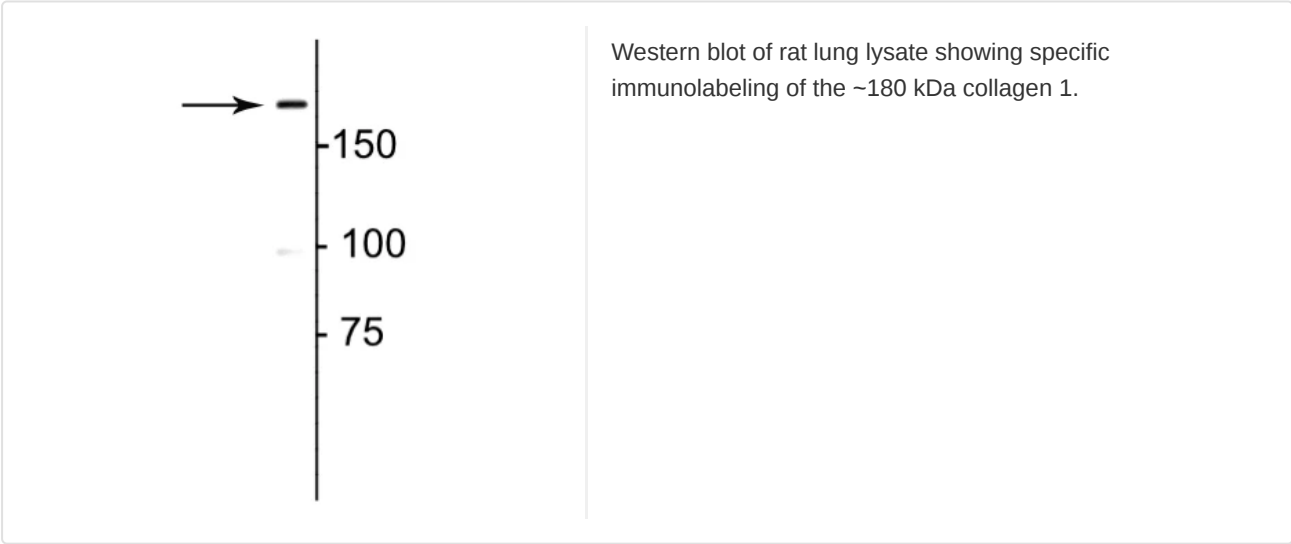


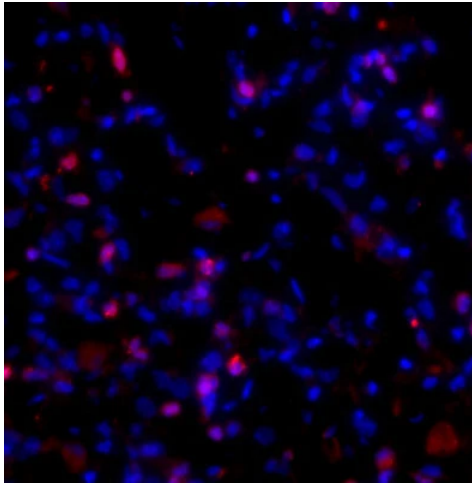
Product Details

Available Variants	100 µL (SKU:321-COLP) 25 µL (SKU:321-COLPt)
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
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide corresponding to amino acid residues specific to the human collagen 1, alpha 1 propeptide conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the propeptide portion of the ~180 kDa collagen I alpha 1 polypeptide in human lung fibroblast extract. The antibody also 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 collagen I molecules that are still associated with the cells in which they were synthesized.
Molecular Weight	180 kDa

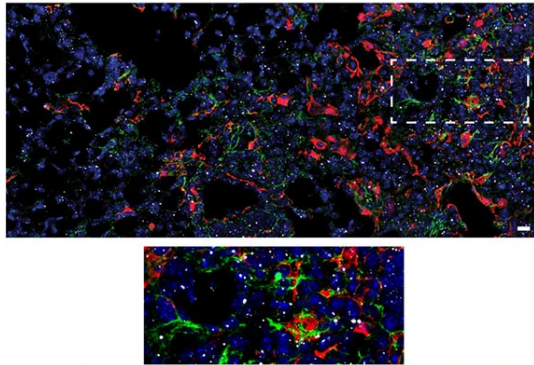
Quality Control	Western blots performed on each lot.
Storage	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage) upon arrival and stored long term at -20° C or -80° C, while keeping a working aliquot stored at 4° C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year.
Antibody Registry ID	AB_2492060
UniProt ID	P02452
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, Sheep, Vole, Xenopus
NCBI Gene ID	1277

Product Images





Immunostaining of fibrotic mouse lung tissue showing specific staining of collagen I molecules (Cat. 621-COLP, 1:100, red) that are still associated with the cells in which they were synthesized. The blue is staining DNA.



Immunolabeling of Pro-Col1a1 (Cat. 321, COLP, green), a Ct2-cluster marker, showing colocalization with tdTom+ cells from mouse lungs. Image from publication. CC-BY-4.0 [PMID: 39945330](#).

Product Page URL: www.antibodiesinc.com/products/anti-collagen-1-alpha-1-propeptide-antibody-321-colp



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