Collagen I antibody

Cat. No. GTX20292

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, FCM, IP, Dot, ELISA, Multiplexing
Reactivity	Human, Mouse, Rat, Bovine, Hamster, Pig

References (15)
Package
100 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	Assay dependent
IHC-P	1:50-1:200
FCM	Assay dependent
IP	1:100
Dot	Assay dependent
ELISA	1:5000-1:50000
Multiplexing	Assay dependent

Not tested in other applications.

Calculated MW	139 kDa. (Note)
Product Note	Some class-specific anti-collagens may be specific for three-dimensional epitopes which may result in diminished reactivity with denatured collagen or formalin-fixed, paraffin embedded tissues. This antibody reacts with most mammalian Type I collagens and has expected cross-reactivity with Type III and negligible cross reactivity with Type II, IV, V or VI collagens.

Properties

Form	Liquid
Buffer	20mM Potassium Phosphate, 150mM NaCl
Preservative	0.01% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)

For full product information, images and publications, please visit our website.

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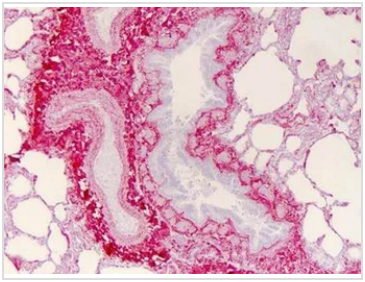
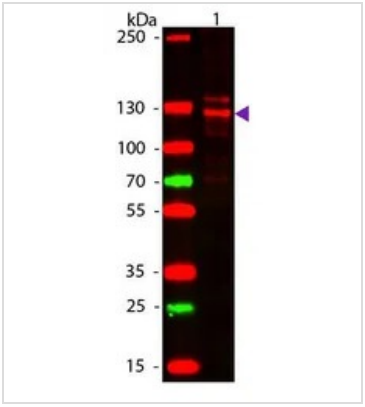
Immunogen	Collagen Type I from human and bovine placenta
Purification	Purified by antigen-affinity chromatography. This product was prepared by immunoaffinity chromatography on immobilized antigens followed by extensive cross-adsorption against other collagens, human serum proteins and non-collagen extracellular matrix proteins to remove unwanted specificities.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



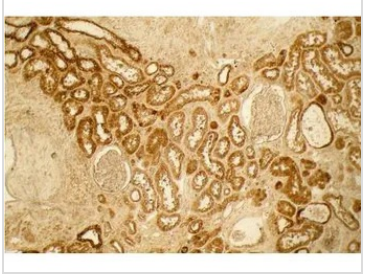
GTX20292 IHC-P Image

IHC-P analysis of human lung tissue section using GTX20292 Collagen I antibody.
Antigen retrieval : user optimized
Dilution : 1:400
Localization : Strong staining was observed in the extracellular matrix of the lung. Epithelial cells were negative.
Staining : antibody as precipitated red signal with a hematoxylin purple nuclear counterstain.



GTX20292 WB Image

Western blot of Human Collagen Type I. Load: 50 ng Human Collagen Type 1. Primary antibody: Collagen Type I antibody (GTX20292) at 1:1,000 overnight at 4°C. Secondary antibody: DyLight™ 649 rabbit secondary antibody at 1:20,000 for 30 min at RT. Block for 30 min at RT. Predicted/Observed size: 139 & 130 kDa.



GTX20292 IHC-P Image

IHC-P analysis of normal kidney tissue section using GTX20292 Collagen I antibody.
Antigen retrieval : No antigen retrieval was performed.
Dilution : 1:100
Localization : Distal tubules in normal kidney tissue.
Note : the absence of staining of glomeruli.

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