antibodies

Datasheet for ABIN7428014 anti-COL1A1 antibody (AA 253-471)

7 Images



Overview

Quantity:	100 µL
Target:	COL1A1
Binding Specificity:	AA 253-471
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This COL1A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Collagen Type I Alpha 1 (COL1a1)
Immunogen:	Recombinant Collagen Type I Alpha 1 (COL1a1) corresdonding to Arg253~Ala471 with N- terminal His Tag
Clone:	C5
lsotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against COL1a1. It has been selected for its ability to recognize COL1a1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Pig, Rat
Purification:	Protein A + Protein G affinity chromatography

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Target Details	
Target:	COL1A1
Alternative Name:	Collagen Type I Alpha 1 (COL1A1 Products)
Background:	COL-1A1, COL1-A1, COL1A-1, OI4, Collagen Alpha-1(I)chain
Pathways:	Sensory Perception of Sound, Autophagy, Growth Factor Binding
Application Details	
Application Notes:	Western blotting: 0.5-2 µg/mL
	Immunohistochemistry: 5-20 µg/mL
	Immunocytochemistry: 5-20 µg/mL
	Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated
	thermal degradation test, that is, incubate the protein at 37° C for 48h, and no obvious
	degradation and precipitation were observed. The loss rate is less than 5% within the expiration
	date under appropriate storage condition.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.

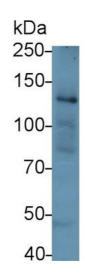
 Storage:
 4 °C,-20 °C

 Storage Comment:
 Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

Expiry Date:

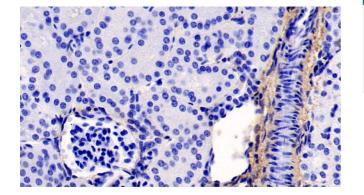
24 months

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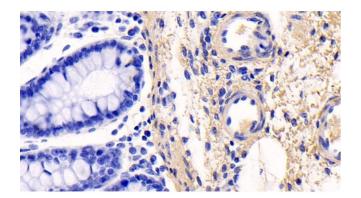
Western Blotting

Image 1. Detection of COL1a1 in Human Lung lysate using Monoclonal Antibody to Collagen Type I Alpha 1 (COL1a1)



Immunohistochemistry

Image 2. Detection of COL1a1 in Human Kidney Tissue using Monoclonal Antibody to Collagen Type I Alpha 1 (COL1a1)



Immunohistochemistry

Image 3. Detection of COL1a1 in Human Colon Tissue using Monoclonal Antibody to Collagen Type I Alpha 1 (COL1a1)

Please check the product details page for more images. Overall 7 images are available for ABIN7428014.

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