Datasheet for ABIN7443395

anti-COL1A1 antibody (AA 253-471)

7 Images

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Overview

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

Product Details

Purpose:	Polyclonal 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
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal 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:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

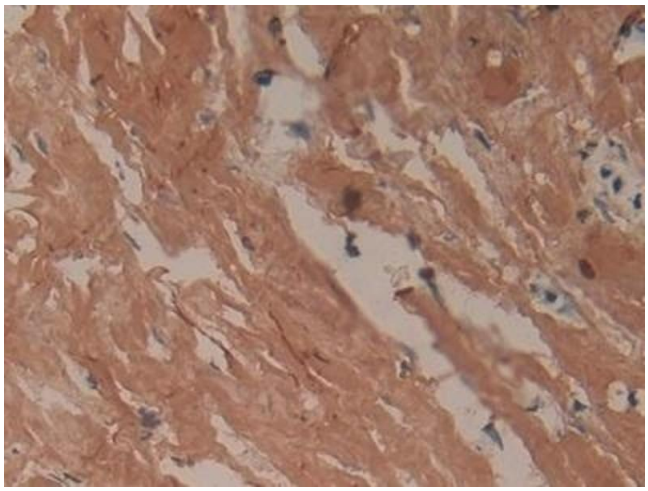
Target:	COL1A1
Alternative Name:	Collagen Type I Alpha 1 (COL1A1 Products)
Background:	COL-1A1, COL1-A1, COL1A-1, OI4, Collagen Alpha-1(I)chain
Pathways:	Sensory Perception of Sound, Autophagy, Growth Factor Binding

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

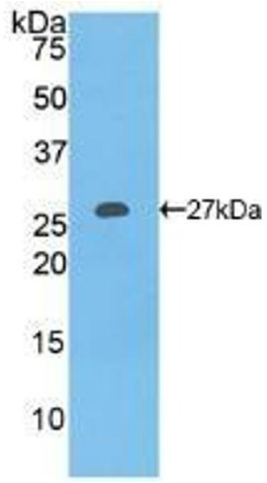
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: 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



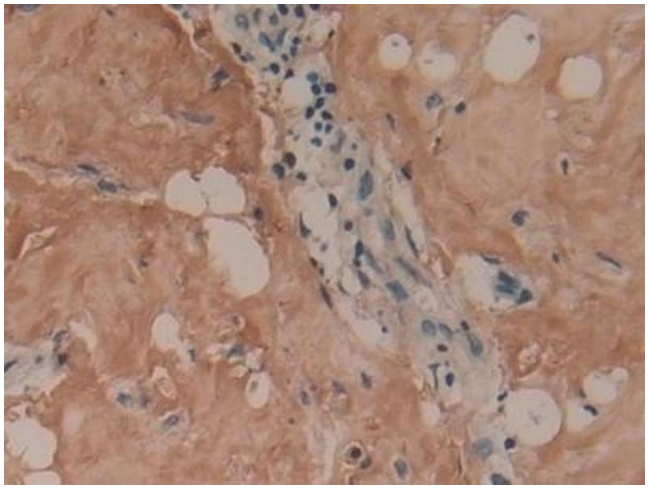
Immunohistochemistry

Image 1. Detection of COL1a1 in Human Breast cancer Tissue using Polyclonal Antibody to Collagen Type I Alpha 1 (COL1a1)



Western Blotting

Image 2. Detection of Recombinant COL1a1, Human using Polyclonal Antibody to Collagen Type I Alpha 1 (COL1a1)



Immunohistochemistry

Image 3. Detection of COL1a1 in Human Mammary gland Tissue using Polyclonal Antibody to Collagen Type I Alpha 1 (COL1a1)

Please check the product details page for more images. Overall 7 images are available for ABIN7443395.