

Datasheet for ABIN7425806  
**anti-COL1A1 antibody (AA 1218-1440)**[Go to Product page](#)

## 7 Images

## Overview

Quantity:	100 µL
Target:	COL1A1
Binding Specificity:	AA 1218-1440
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) corresponding to Ala1218~Ile1440 with N-terminal His Tag
Clone:	C3
Isotype:	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.
Purification:	Protein A + Protein G affinity chromatography

## Target Details

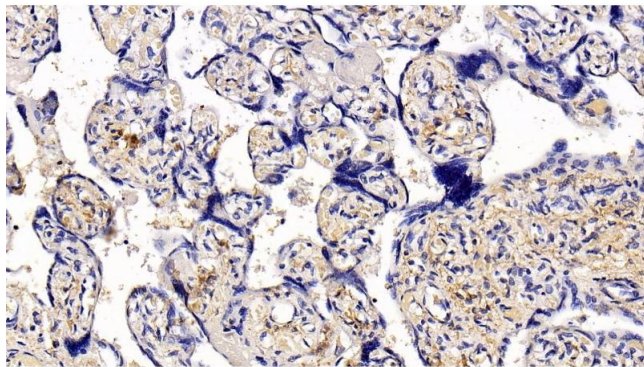
Target:	COL1A1
Alternative Name:	Collagen Type I Alpha 1 ( <a href="#">COL1A1 Products</a> )
Background:	COL-1A1, COL1-A1, COL1A-1, OI4, Collagen Alpha-1(I)chain
Pathways:	<a href="#">Sensory Perception of Sound</a> , <a href="#">Autophagy</a> , <a href="#">Growth Factor Binding</a>

## 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

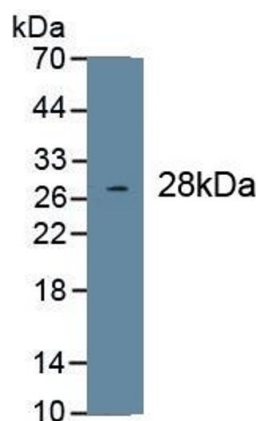
## Handling

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



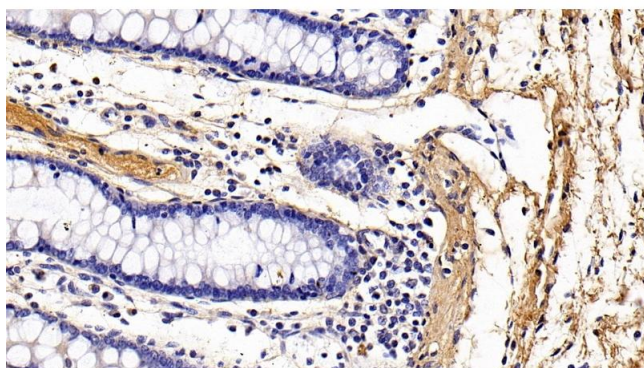
#### Immunohistochemistry

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



#### Western Blotting

**Image 2.** Detection of Recombinant COL1a1, Human 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 ABIN7425806.