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Datasheet for ABIN7435358

anti-COL14A1 antibody (AA 1280-1461)

2 Images

Overview

Quantity:	100 µL
Target:	COL14A1
Binding Specificity:	AA 1280-1461
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL14A1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Collagen Type XIV (COL14)
Immunogen:	Recombinant Collagen Type XIV (COL14) corresponding to Glu1280~Leu1461 with N-terminal His and GST Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against COL14. It has been selected for its ability to recognize COL14 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Pig
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

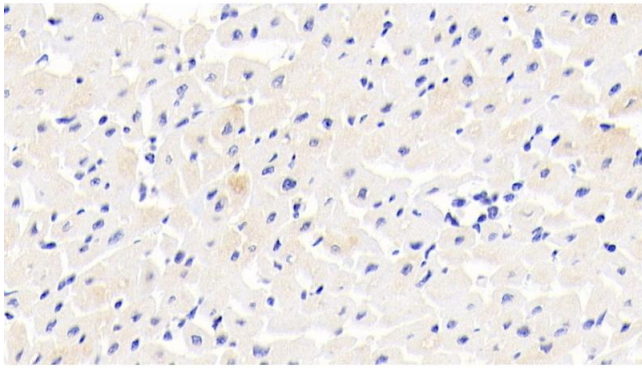
Target:	COL14A1
Alternative Name:	Collagen Type XIV (COL14A1 Products)
Background:	COL14A1, COL14-A1, UND, undulin, Collagen Type XIV Alpha 1
Pathways:	Regulation of Muscle Cell Differentiation

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

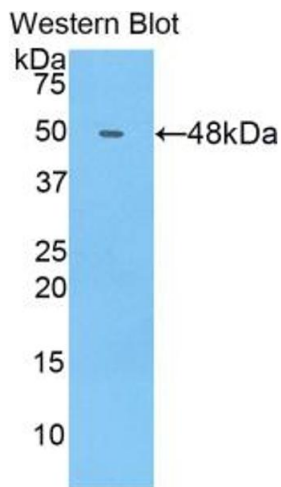
Handling

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 COL14 in Human Cardiac Muscle Tissue using Polyclonal Antibody to Collagen Type XIV (COL14)



Western Blotting

Image 2. Detection of Recombinant COL14, Human using Polyclonal Antibody to Collagen Type XIV (COL14)