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Datasheet for ABIN7427603
anti-COL3A1 antibody (AA 1171-1435)

2 Images

Overview

Quantity:	100 µL
Target:	COL3A1
Binding Specificity:	AA 1171-1435
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This COL3A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Collagen Type III Alpha 1 (COL3a1)
Immunogen:	Recombinant Collagen Type III Alpha 1 (COL3a1) corresponding to Arg1171~Arg1435 (Accession # P13941)
Clone:	C10
Isotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against COL3a1. It has been selected for its ability to recognize COL3a1 in immunohistochemical staining and western blotting.
Purification:	Protein A + Protein G affinity chromatography

Target Details

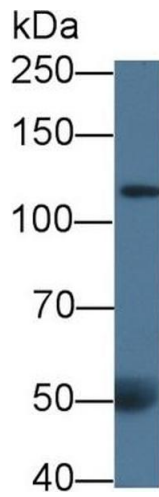
Target:	COL3A1
Alternative Name:	Collagen Type III Alpha 1 (COL3A1 Products)
Background:	COL3-A1, COL3A1, EDS4A, Collagen Type III Alpha 1, Ehlers-Danlos Syndrome Type IV Autosomal Dominant, Collagen Alpha-1(III)chain
Pathways:	Autophagy , Growth Factor Binding

Application Details

Application Notes:	Western blotting: 0.5-5 µg/mL Immunohistochemistry: 5-50 µg/mL Immunocytochemistry: 5-50 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

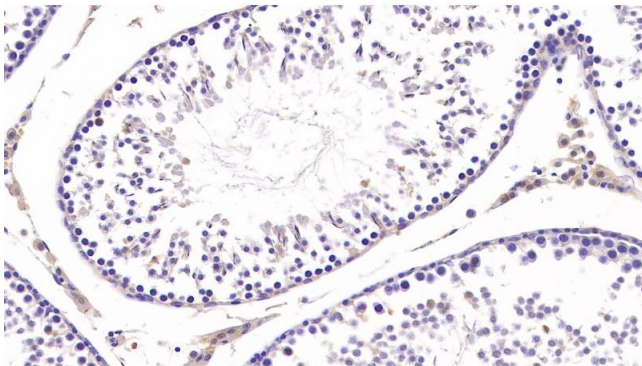
Handling

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



Western Blotting

Image 1. Detection of COL3a1 in Rat Serum using Monoclonal Antibody to Collagen Type III Alpha 1 (COL3a1)



Immunohistochemistry

Image 2. Detection of COL3a1 in Rat Testis Tissue using Monoclonal Antibody to Collagen Type III Alpha 1 (COL3a1)