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# Datasheet for ABIN5530939 anti-COL5A1 antibody (N-Term)

3 Images



## Overview

Quantity:	400 µL
Target:	COL5A1
Binding Specificity:	AA 54-82, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL5A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This COL5A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-82 amino acids from the N-terminal region of human COL5A1.
Isotype:	Ig Fraction

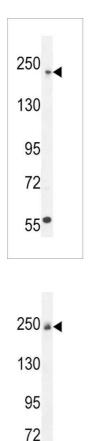
# Purification: This antibody is purified through a protein A column, followed by peptide affinity purification.

# Target Details

Target:	COL5A1
Alternative Name:	COL5A1 (COL5A1 Products)
Background:	COL5A1 encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagens collagen molecules are trimers that can be composed of one or more types of alpha chains.
	Type V collagen is found in tissues containing type I collagen and appears to regulate the

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	assembly of heterotypic fibers composed of both type I and type V collagen. COL5A1 product is
	closely related to type XI collagen and it is possible that the collagen chains of types V and XI
	constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II. [provided by RefSeq].
Molecular Weight:	184 kDa
Gene ID:	1289
UniProt:	P20908
Pathways:	Growth Factor Binding
Application Details	
Application Notes:	For WB starting dilution is: 1:1000
	For IHC-P starting dilution is: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.48 mg/mL
Buffer:	Supplied in PBS with 0.09 % (W/V) sodium azide.
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 three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

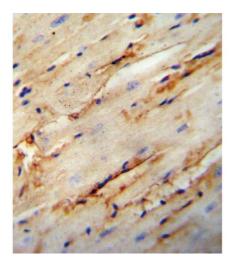


## Western Blotting

**Image 1.** Western blot analysis in U251 cell line lysates (35ug/lane).

#### Western Blotting

**Image 2.** Western blot analysis in mouse bladder tissue lysates (35ug/lane).



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## Immunohistochemistry

**Image 3.** COL5A1 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.

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