



Datasheet for ABIN951624

## anti-Collagen Type V antibody (N-Term)



[Go to Product page](#)

### 3 Images

#### Overview

Quantity:	0.4 mL
Target:	Collagen Type V (COL5)
Binding Specificity:	AA 61-90, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Collagen Type V antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

#### Product Details

Immunogen:	KLH conjugated synthetic peptide between 61-90 amino acids from the N-terminal region of human COL5A1
Isotype:	Ig Fraction
Specificity:	This antibody reacts to COL5A1.
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Affinity chromatography on Protein A

#### Target Details

Target:	Collagen Type V (COL5)
---------	------------------------

## Target Details

---

Alternative Name:	Collagen Type V ( <a href="#">COL5 Products</a> )
Background:	<p>COL5A1 encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar 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 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].Synonyms: COL5A1</p>
Molecular Weight:	183560 Da
Gene ID:	1289
NCBI Accession:	<a href="#">NP_000084</a>

## Application Details

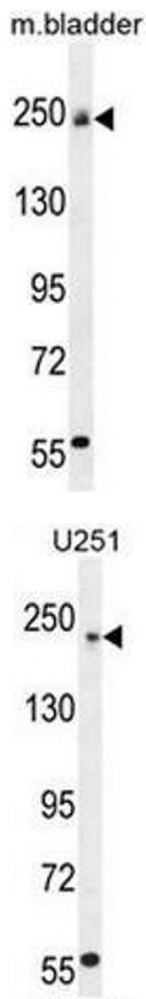
---

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

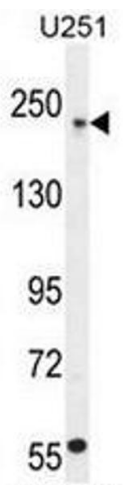
---

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



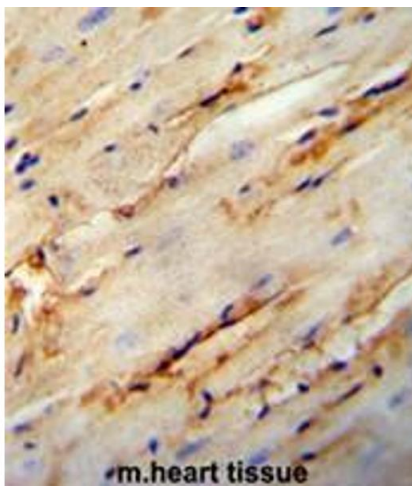
#### Western Blotting

**Image 1.** COL5A1 Antibody (N-term) western blot analysis in mouse bladder tissue lysates (35µg/lane). This demonstrates the COL5A1 antibody detected the COL5A1 protein (arrow).



#### Western Blotting

**Image 2.** COL5A1 Antibody (N-term) western blot analysis in U251 cell line lysates (35µg/lane). This demonstrates the COL5A1 antibody detected the COL5A1 protein (arrow).



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** COL5A1 antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the COL5A1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.