

Datasheet for ABIN113098 **anti-Collagen Type V antibody**

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Overview

Quantity:	0.5 mL
Target:	Collagen Type V (COL5)
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Collagen Type V antibody is un-conjugated
Application:	Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Collagen type V extracted and purified from rat skin.
Specificity:	Cross-Reactivity (% at 1:10 RIA dilution) Rat Collagen Type V 100 % Rat Collagen Types I, III < 0.1 % Rat Elastin < 0.1 %
Purification:	Ion exchange chromatography (DEAE-Trisacryl).

Target Details

Target:	Collagen Type V (COL5)
Alternative Name:	Collagen Type V (COL5 Products)
Background:	Collagens are highly conserved throughout evolution and are characterized by an uninterrupted "Glycine-X-Y" triplet repeat that is a necessary part of the triple helical structure. Type V Collagen is a member of group I Collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V Collagen binds to DNA, heparan

Target Details

sulfate, Thrombospondin, Heparin, and Insulin. Collagen V is composed of several subunits as follows: trimers of two alpha 1(V) and one alpha 2(V) chains in most tissues and trimers of one alpha 1(V), one alpha 2(V), and one alpha 3(V) chains in placenta. Type V Collagen 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.Synonyms: COL5A1

Gene ID: 85490

NCBI Accession: [NP_604447](#)

UniProt: [Q9JI03](#)

Application Details

Application Notes: Suitable for : ELISA (dilution >1: 100-1: 200). IFA with fluorescein anti-rabbit IgG conjugate (didilution at >1: 40 on frozen rat tissuesections). Immunostaining of extra or intracellular components in light microscopy. Quantitation of Collagen Type V in biological fluids or in culture supernatants. (SP)RIA.

Other applications not tested.

Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: Reconstitute with 0.5 mL deionized water.

Precaution of Use: Do Not Add Sodium Azide

Handling Advice: . Avoid cycles of freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store vial at 4 °C prior to restoration. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. For extended storage mix product with glycerol to 50% and then aliquot contents and freeze at -20 °C or below.