

## Datasheet for ABIN181165 **anti-Collagen Type V antibody**

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### Overview

|              |                                                                                                                                 |
|--------------|---------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 0.2 mg                                                                                                                          |
| Target:      | Collagen Type V (COL5)                                                                                                          |
| Reactivity:  | Human                                                                                                                           |
| Host:        | Goat                                                                                                                            |
| Clonality:   | Polyclonal                                                                                                                      |
| Conjugate:   | This Collagen Type V antibody is un-conjugated                                                                                  |
| Application: | Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)),<br>Immunofluorescence (IF), Enzyme Immunoassay (EIA) |

### Product Details

|               |                                                                                                                                                                                                                                       |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | Human type V collagen                                                                                                                                                                                                                 |
| Specificity:  | This antibody reacts to Collagen V. This antibody shows less than 10 % reactivity with collagen type I, II, III, IV, and VI. It may react with collagen V from other species. Reactivity with other ECM proteins has not been tested. |
| Purification: | Affinity chromatography                                                                                                                                                                                                               |

### Target Details

|                   |                                                                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Collagen Type V (COL5)                                                                                                                                                                   |
| Alternative Name: | Collagen Type V ( <a href="#">COL5 Products</a> )                                                                                                                                        |
| Background:       | 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, |

## Target Details

heparan 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:        | 1289                      |
| NCBI Accession: | <a href="#">NP_000084</a> |
| UniProt:        | <a href="#">P20908</a>    |

## Application Details

|                    |                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | ELISA. Immunoblotting. Immunofluorescence. Immunohistochemistry on frozen sections.<br>Other applications not tested.<br>Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions:      | For Research Use only                                                                                                                                                                                        |

## Handling

|                  |                                      |
|------------------|--------------------------------------|
| Concentration:   | 0.4 mg/mL                            |
| Buffer:          | Borate buffered saline               |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage:         | -20 °C                               |