

Datasheet for ABIN113975 **anti-Collagen Type V antibody**

[Go to Product page](#)

Overview

Quantity:	0.5 mg
Target:	Collagen Type V (COL5)
Reactivity:	Cow, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Collagen Type V antibody is un-conjugated
Application:	Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA), Radioimmunoassay (RIA)

Product Details

Immunogen:	Purified collagen type V from rat skin.
Specificity:	Rat Collagen type V: 100 % Rat Collagen type I, II and III: < 0.1 % Rat Elastin: < 0.1 % (RIA at 1/100 dilution).
Purification:	Ion Exchange Chromatography.

Target Details

Target:	Collagen Type V (COL5)
Alternative Name:	Collagen Type V (COL5 Products)
Background:	Collagens consist in a family of highly specialized glycoproteins of which at least 16 genetically distinct types are known to date. The basal unit of a collagen molecule consists in a triple-helical

Target Details

structure formed by 3 alpha-chains. Predominant amino acids are glycine, proline and hydroxproline. Regularly also lysines and hydroxylysines occur, which are responsible for cross-linkage and glycosylation of the protein chains. Different composition of alpha-chains and different glycosylation contribute to the high variability of collagens in different tissues and organs. Collagen type V is found as short fibrils in skin, bone and placenta. Often it is found in conjunction with other collagen types, especially type I and III. Synonyms: COL5A1

Gene ID: 85490

NCBI Accession: [NP_604447](#)

UniProt: [Q9JI03](#)

Application Details

Application Notes: RIA. ELISA: > 1/200 (OD > 500). Immunofluorescence: 1/40. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Embedded Tissues: 1/500. Incubation time: 60 min. at RT or 2-8 °C overnight. Positive Control: Rat skin or liver. Pretreatment: After de-waxing the tissue slices they are treated with 0.2 % hyaluronidase(app.300 U/mg) in TBS 15 min at 37 °C. There after non-specific binding is blocked by blocking serum or 3 % BSA in TBS. For peroxidase systems blocking with 1 % peroxide solution in TBS for 30 min at RT is recommended.

Other applications not tested.

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

Restrictions: For Research Use only

Handling

Reconstitution: Restore with 0.5 mL distilled water. For further dilution use appropriate antibody diluent.

Concentration: 1.0 mg/mL

Buffer: PBS without BSA and preservatives.

Preservative: Without preservative

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C