

Datasheet for ABIN113988
anti-Collagen Type V antibody



[Go to Product page](#)

Overview

Quantity:	0.5 mg
Target:	Collagen Type V (COL5)
Reactivity:	Human
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 Human placenta
Specificity:	Human Collagen type V: 100 % binding in RIA at 1/100 dilution. Cross-reactivity with human Collagen type I, III and IV: < 0.1 %, Human Fibronectin: < 0.1 %, Mouse Laminin: < 0.1 %.
Purification:	Affinity 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 tripel-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: 1289

NCBI Accession: [NP_000084](#)

UniProt: [P20908](#)

Application Details

Application Notes: IF: 1: 40. IHC: 1: 200 - 1: 600 (for paraffin sections), 60 min at RT or 2-8°C over night. ELISA. RIA. Positive control: Human placenta. 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 % peroxidase 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 mg/mL

Buffer: PBS, None, None

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Prior to reconstitution store at 2-8 °C. Following reconstitution store the antibody at -20 °C.