

## Product datasheet for **BP8019**

### Collagen V (COL5A1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, R
Recommended Dilution:	IF: 1:40. IHC: 1:200 - 1:600 for paraffin sections, 60 min at RT or 2-8°C over night. ELISA 1:200 gives OD > 500. RIA. Positive control: chicken 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.
Reactivity:	Chicken
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Purified collagen type IV from chicken skin
Specificity:	Chicken collagen type V 100 %, chicken collagen type I, II, III and X < 0.1 %; chicken fibronectin < 0.1 %; human collagen type V < 0.1 %.
Formulation:	State: Purified State: Lyophilized Ig fraction
Reconstitution Method:	Reconstitute with 0.5 ml distilled water, for further dilution use appropriate antibody diluent
Concentration:	lot specific
Purification:	Ion exchange chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	collagen type V alpha 1



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**Database Link:** [Entrez Gene 1289 Human P20908](#)

**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 structure formed by 3 alpha-chains. Predominant amino acids are glycine, proline and hydroxyproline. 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

**Protein Families:** Druggable Genome

**Protein Pathways:** ECM-receptor interaction, Focal adhesion