

## Product datasheet for **BP8032**

### Collagen V (COL5A1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, R
Recommended Dilution:	<b>Immunofluorescence:</b> 1/40. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200-1/600 for 60 min at RT or 2-8°C over night. <b>ELISA.</b> <b>RIA.</b> <i>Positive Control:</i> Human placenta, Skin. <i>Pretreatment:</i> 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:	Human
Host:	Rabbit
Clonality:	Polyclonal
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%.
Formulation:	PBS State: Purified State: Lyophilized purified Ig fraction Stabilizer: None Preservative: None
Reconstitution Method:	Restore with 0.5 ml distilled water. For further dilution use appropriate antibody diluent.
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated



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<b>Storage:</b>	<p>Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.</p>
<b>Stability:</b>	<p>Shelf life: one year from despatch.</p>
<b>Gene Name:</b>	<p>collagen type V alpha 1</p>
<b>Database Link:</b>	<p><a href="#">Entrez Gene 1289 Human P20908</a></p>
<b>Background:</b>	<p>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.</p> <p>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.</p>
<b>Synonyms:</b>	<p>COL5A1</p>
<b>Protein Families:</b>	<p>Druggable Genome</p>
<b>Protein Pathways:</b>	<p>ECM-receptor interaction, Focal adhesion</p>