

Product datasheet for **BP8020**

Col5a1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, R
Recommended Dilution:	RIA. ELISA: > 1/100-1/200 (OD > 500). Immunofluorescence: 1/40. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Embedded Tissues: 1/200-1/600. 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.
Reactivity:	Bovine, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
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).
Formulation:	PBS without BSA and preservatives. State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with 0.5 ml distilled water. For further dilution use appropriate antibody diluent.
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	collagen, type V, alpha 1
Database Link:	Entrez Gene 12831 Mouse Entrez Gene 85490 Rat Q9J103
Background:	<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>
Synonyms:	COL5A1