

Product datasheet for **BP8013**

COL3A1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, R
Recommended Dilution:	ELISA. RIA. Western blot. Immunofluorescence: 1/40. Immunohistochemistry on Paraffin Sections: 1/200-1/600. Incubation Time: 60 min at RT or 2-8°C over night (please see also "Protocols"). 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 III from Chicken skin.
Specificity:	Chicken Collagen type III: 100% Chicken Collagen type I: < 5 %. Cross-reaction with Human, Mouse, Rat, Bovine Collagen Type III: < 0,1 %.
Formulation:	State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with 0.1 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 for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name: collagen, type III, alpha 1

Database Link: [Entrez Gene 396340 Chicken P12105](#)

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.
Type III collagen is an alpha1(III)-trimer, MW 95 kDa, which forms 67 nm cross-banded fibrils. Typically it can be observed in skin, cartilage and vitreous body.

Synonyms: COL3A1