

Datasheet for ABIN5680257  
**anti-COL6 antibody**



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## Overview

Quantity:	0.1 mL
Target:	COL6
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Radioimmunoassay (RIA)

## Product Details

Immunogen:	Purified collagen type VI from human placenta
Isotype:	IgG
Specificity:	Human collagen type VI 100 % binding in RIA at 1:10.000 dilution, cross-reactivity with human collagen type I, II, III, IV and V <0.1 %, human elastin and human laminin <0.1 %, human fibronectin < 1 % Human, cross-reactive with bovine
Cross-Reactivity:	Chicken, Cow (Bovine), Mouse (Murine), Pig (Porcine), Rat (Rattus)
Cross-Reactivity (Details):	Human (cross-reactive with bovine, porcine, chicken, murine and rat tissue)
Characteristics:	Collagen type VI is found as 5-10 nm diameter microfibrils (periodicity 100 nm) e.g. in placenta, skin, cartilage and cornea. Collagens consist of 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 of a triple-helical structure formed by 3 alpha-chains. Predominant amino

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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. Human collagen type VI 100 % , human collagen type I, II, III, IV and V <0.1 %, human elastin and human laminin <0.1 %, human fibronectin < 1 % (RIA at 1:10.000 dilution).

Purification: Affinity purified

## Target Details

Target: COL6

Alternative Name: Collagen Type VI ([COL6 Products](#))

## Application Details

Application Notes: After de-waxing the tissue slices they are treated with 0.2 % hyaluronidase (app. 300 U/mg ) in TBS 15 min at 37 °C. Thereafter 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.,Human placenta,IHC(P), IFA, ELISA, RIA, IB/WB,IHC(P) 60 min at RT or 2-8 °C over night,(purified, lyophilized) 1:80 IFA, 1:500 - 1:1000 IHC(P)

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Concentration: 1 mg/mL

Buffer: phosphate buffered solution, no BSA and preservative added!

Preservative: Without preservative

Storage: -20 °C