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Rabbit anti-Human Collagen III Polyclonal Antibody

Catalog No.: PS043

Quantity: 1 ml

Specificity
The antiserum was subjected to immune-absorption with immobilized human serum proteins to remove non-specific reacting antibodies. Collagen cross-reactions, caused by the presence of antibodies to common antigenic determinants on various collagens were removed by immune absorption on immobilized collagens types I, II, IV and V. The specificity of the antibody was ascertained by competition ELISA.
Complete inhibition was found if the antibody was preincubated with collagen type III.
Minimal cross-reactions with other collagens were only found if 5-10 times higher concentrations were used of other collagens. No reactions were found with fibronectin, fibrinogen and laminin. The specificity of the product was furthermore tested by immunohistochemistry on frozen sections of large series of human tissues. Characteristic immunostaining pictures of frozen sections of human kidney, liver, skin and heart are produced to verify the batch quality.

Use
Recommended for use in immunohistochemistry on frozen sections. Suitable for dot-blotting and ELISA on native human collagen III. Use on paraffin sections is not tested.

Instructions for use
Antibodies can be diluted at least 1:20 for immunohistochemical procedures if Peroxidase labeled secondary antibodies is applied. If a FITC labeled secondary antibody is used, the antibody can be diluted 1:10.

Presentation
1 ml lyophilized antiserum (0.2 mg/ml).
Reconstitute with 1 ml distilled water and add preservative if preferred.

Method of purification:
Ammonium sulfate precipitation + DEAE cellulose chromatography + Cross-absorption on immobilized collagen types (absorption: I, II, IV, V, human serum).

Literature

- Amenta, et al., 1986, Collagen rel. res. *6*, 125-152.
- Rukosuev, et al., 1990, Histochem. *89*, 11-16.
- Shekhonin, et al., 1985, Collagen rel. res. *5*, 355-368.

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Cell Sciences, Inc.
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com