

Rabbit Anti-human Collagen I Polyclonal Antibody

Catalog No.: PS041

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 II, III, IV and V. The specificity of the antibody was ascertained by competition ELISA.

Complete inhibition was found if the antibody was pre-incubated with collagen type I.

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 I. 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: II, III, 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.

For research only. Not for human use. Not for diagnostic or therapeutic use.



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