

## Rabbit Anti-Human Collagen I Affinity Purified pAb

<b>Catalog No.</b>	PS047	<b>Quantity:</b>	1 ml
<b>Description:</b>	Rabbits were immunized with purified native collagen type I extracted from human skin by mild pepsin digestion followed by dilution into dilute acidic buffer. Resulting IgG fraction from antisera was treated with immobilized total human serum proteins to remove non-specific antibodies, followed by absorption with immobilized collagen types II, III, IV and V to remove cross-reactive antibodies to antigenic determinants common for various collagen types. Affinity purified IgG was obtained by binding to immobilized native human collagen type I (same as antigen used for immunization), followed by elution with acidic buffer, neutralization, dialysis, dispensing and lyophilization.		
<b>Concentration:</b>	0.1 mg/ml collagen I specific IgG, prior to lyophilization		
<b>Specificity:</b>	Specificity was determined by competition ELISA. Complete inhibition when the antibody was pre-incubated with collagen type I. Inhibition by other types of collagens is observed only at 20-50 times higher concentration. Additional validation for characteristic immunostaining of frozen sections of human kidney, liver, skin and heart.		
<b>Host:</b>	Rabbit		
<b>Immunogen:</b>	Native human collagen type I		
<b>Isotype:</b>	IgG		
<b>Formulation:</b>	Lyophilized neutral buffer		
<b>Purification:</b>	Ammonium sulfate IgG fractionation, DEAE cellulose ion-exchange chromatography, cross-absorption on immobilized human serum proteins, immobilized other collagen types, followed by antigen-affinity chromatography.		
<b>Reconstitution:</b>	Reconstitute with 1 ml distilled water and add preservative if preferred.		
<b>Applications:</b>	IHC on frozen cells and sections. Immunoblot and ELISA on native human collagen type I		
<b>Application Notes:</b>	IHC: suggested starting dilution 1:20 using HRP-labeled or suggested starting dilution 1:10 using FITC-labeled secondary antibody The optimal concentration should be determined by the user for each specific application.		
<b>Storage &amp; Stability:</b>	Store lyophilized, unopened at 2-8°C for up to 1 year.		

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