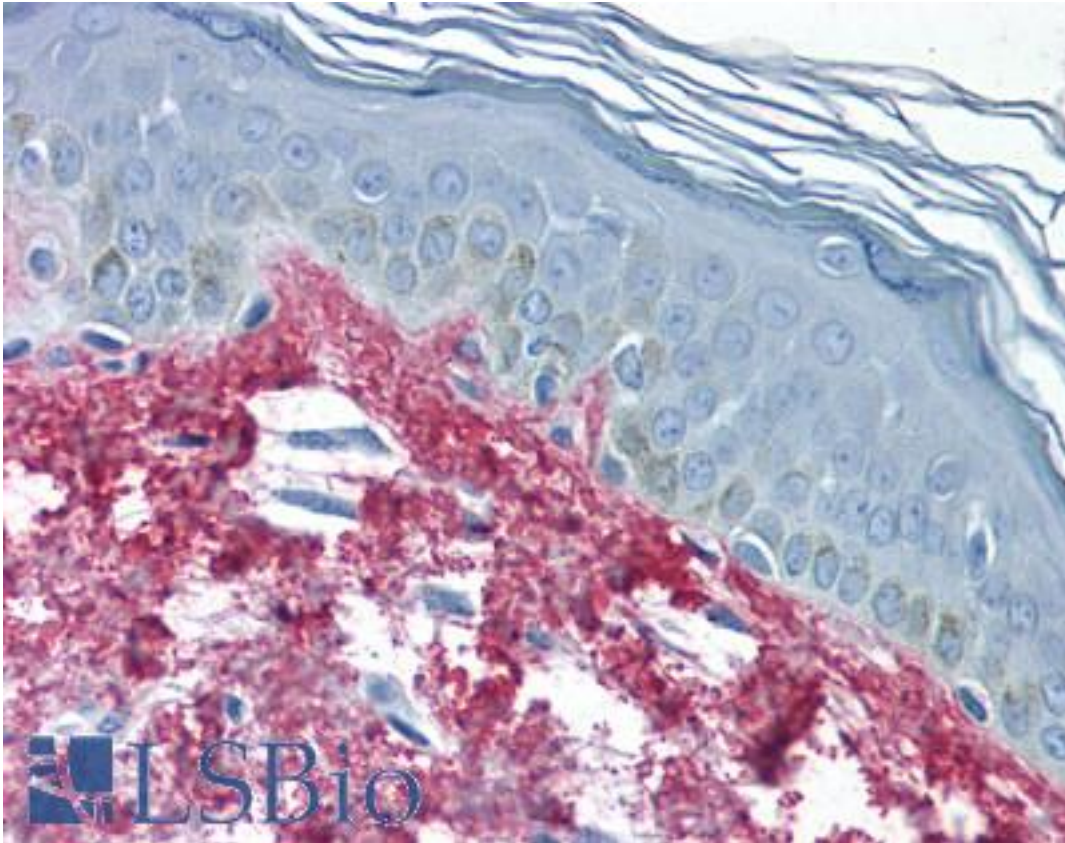


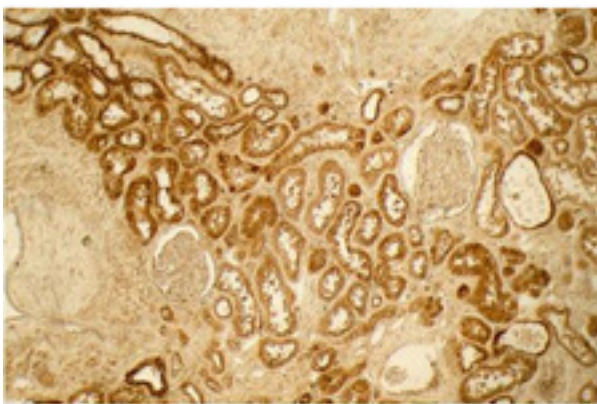
Collagen I Rabbit anti-Human Polyclonal Antibody - LS-B342 - LSBio	
<b>CatalogID:</b>	LS-B342
<b>Validation:</b>	This antibody replaces catalog number LS-C18865. It has been validated for use in the following assays: IHC.
<b>Target:</b>	Collagen I
<b>Host</b>	Collagen I antibody was produced in Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen Species:</b>	Collagen I antibody was raised against Human
<b>Specificity:</b>	Collagen Type I from human and bovine placenta.
<b>Reactivity:</b>	Human, Mouse, Rat, Bovine
<b>Purification:</b>	Immunoaffinity purified
<b>Presentation:</b>	0.125 M sodium borate, 0.075 M sodium chloride, 0.005 M EDTA;, pH 8.0, 0.01% sodium azide.
<b>Recommended Storage:</b>	Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.
<b>Usage Summary:</b>	Immunohistochemistry: LS-B342 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B342 was determined to be 2.5 ug/ml.
<b>Uses:</b>	IHC - Paraffin (2.5 µg/ml), Western blot (1:5000 - 1:50000), Immunoprecipitation, ELISA (1:5000 - 1:50000) (Optimal dilution to be determined by the researcher)
<b>Size:</b>	50 µg
<b>Concentration:</b>	1 mg/ml

**Immunohistochemistry Image:**



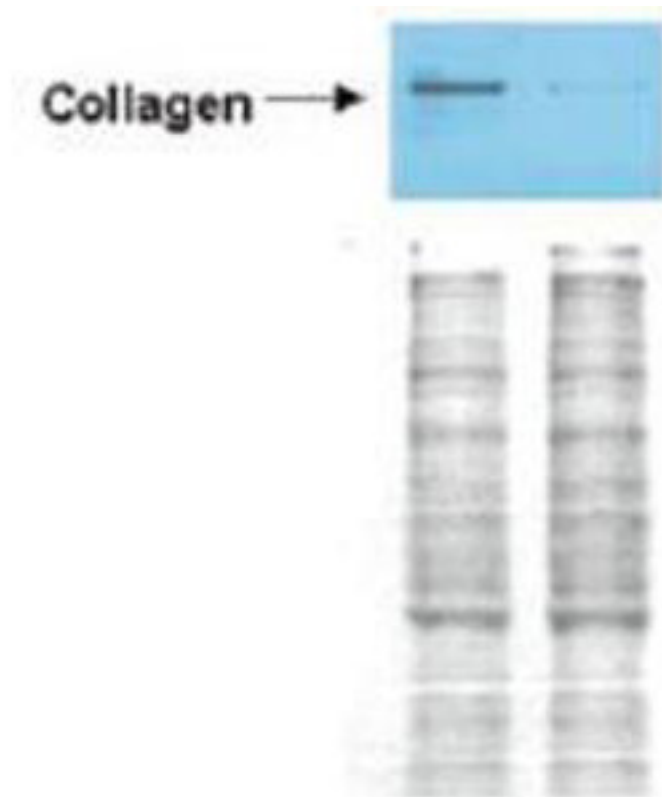
Anti-Collagen I antibody IHC of human skin. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B342 concentration 5 ug/ml.

**Immunohistochemistry Image:**



Immunohistochemistry of Collagen I antibody. Tissue: Normal Kidney. Fixation: formalin fixed paraffin embedded. Antigen retrieval: No antigen retrieval was performed. Primary antibody: Collagen I 1:100 4 hours at room temperature Secondary antibody: Peroxidase goat anti-rabbit at 1:10000 for 45 min at RT. Localization: Distal tubules in normal kidney tissue. Note the absence of staining of glomeruli. Staining: antibody as precipitated red signal with a hematoxylin purple nuclear counterstain.

**Western Blot Image:**



Anti-Collagen I Antibody - Western Blot. Western blot analysis is shown using Affinity Purified anti-Collagen I antibody to detect expression of collagen I in Wistar rat hepatic stellate cells (HSC) in control (GFP-transduced) (left lane) and PPAR $\gamma$ -transduced cell lysates (right lane). Protein staining shown below each blot depicts equal protein loading. An equal amount of the whole cell protein (100  $\mu$ g) was separated by SDS-PAGE and electroblotted to nitro-cellulose membranes. Proteins were detected by incubating the membrane with anti-Collagen I antibody at a concentration of 0.2-2  $\mu$ g/10 ml in TBS (100 mM Tris-HCl, 0.15 M NaCl, pH 7.4) with 5% Non-fat milk. Detection occurred by incubation with a horseradish peroxidase-conjugated secondary antibody at 1  $\mu$ g/10 ml. Proteins were detected by a chemiluminescent method using the PIERCE ECL kit (Amersham Biosciences). Other detection systems will yield similar results. See Hazra et al. (2004) for additional details.

**Requested From:**

Japan

Laboratory Reagent For In Vitro Research Use Only

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