

Monoclonal Antibody to Collagen type I - Purified

Alternate names:	COL1A1, COL1A2, Alpha-1 type I collagen, Alpha-2 type I collagen
Catalog No.:	AF5610-1
Quantity:	0.1 mg
Uniprot ID:	P02452
NCBI:	NP_000079
GeneID:	1277
Host / Isotype:	Mouse / IgG2a
Clone:	I-8H5
Format:	State: Lyophilized Purification: Protein A affinity purified immunoglobulin fraction Buffer System: 0.1 M Na-Phosphate buffer, pH 7.0 containing 0.5% protease-free bovine serum albumin and Kathon as a preservative Reconstitution: Reconstitute in 0.5 ml distilled water.
Applications:	Immunohistochemistry on frozen sections (1-10 μ g/ml). Western blotting (4 μ g/ml, non-denaturing, non-reducing conditions, use 4-6% PAGE, bands are observed at 120 kD and 300 kD). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody specifically reacts with human Collagen type I and cross-reacts with rabbit Collagen type I.
Storage:	Store the antibody at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: One year from despatch.
Product Citation:	Daniela Villone, Anja Fritsch, Manuel Koch, Leena Bruckner-Tuderman, Uwe Hansen, and Peter Bruckner Supramolecular Interactions in the Dermo-epidermal Junction Zone: ANCHORING FIBRIL-COLLAGEN VII TIGHTLY BINDS TO BANDED COLLAGEN FIBRILS J. Biol. Chem., Sep 2008; 283: 24506 - 24513.
General References:	Mayne, R. et al. Isolation and partial characterization of basement membrane-link collagens from bovine thoracic aorta. Artery, 7. 262-280, 1980 Muragaki, Y. et al., Experimental study on alteration of collagen metabolism in liver fibrosis. J. Wakayama Med. Soc., 36. 195-208, 1985 (in Japanese) Kumagai, J. et al. (1994) Immunohistochemical distribution of type I, II and III collagens in the rabbit supraspinatus tendon insertion. J. Anat. 185:279-284 Marijjanowski, M.M.H. et al. Dilated cardiomyopathy is associated with an increase in the type I/type III collagen ration: A quantitative assessment. J. Am. College Cardiol., 25.

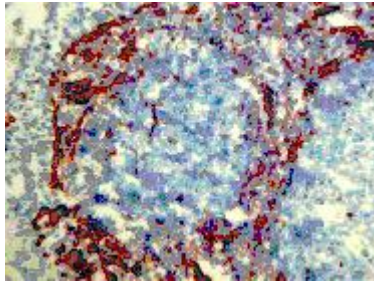
For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

1263-1272, 1995

Pictures:



Immunohistochemistry on human tonsil frozen sections using Collagen type I antibody AF5610-1.

**Recommended
Isotype Controls:**

AM03096PU-N