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Datasheet for ABIN2173309

anti-Collagen Type I antibody (AA 1051-1150)

5 Images

12 Publications

Overview

Quantity:	100 µL
Target:	Collagen Type I (COL1)
Binding Specificity:	AA 1051-1150
Reactivity:	Human, Rat, Mouse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Collagen Type I antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Collagen I
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	Collagen Type I (COL1)
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Target Details

Alternative Name:	Collagen I (COL1 Products)
Background:	Synonyms: OI1, OI2, OI3, OI4, EDSC, Collagen alpha-1(I) chain, Alpha-1 type I collagen, COL1A1I, CO1A1_HUMAN Background: Type I collagen is a member of group I collagen (fibrillar forming collagen).
Gene ID:	1277
UniProt:	P02452

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Velázquez, Enos, Carson, Cranford, Bader, Sougiannis, Pritchett, Fan, Carson, Murphy: "miR155 deficiency aggravates high-fat diet-induced adipose tissue fibrosis in male mice." in: **Physiological reports**, Vol. 5, Issue 18, (2018) ([PubMed](#)).

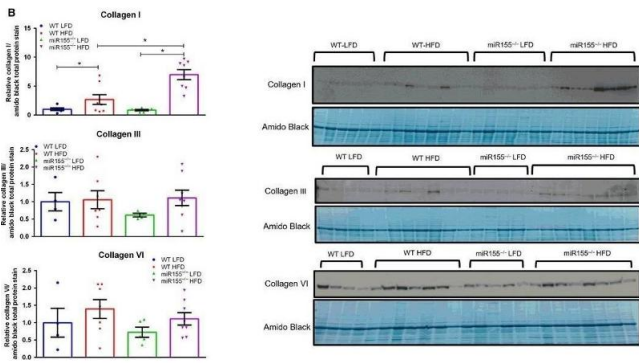
Li, Xiong, Gong: "Lyn kinase enhanced hepatic fibrosis by modulating the activation of hepatic stellate cells." in: **American journal of translational research**, Vol. 9, Issue 6, pp. 2865-2877, (2017) ([PubMed](#)).

Miyauchi, Yasuchika, Fukumitsu, Ishii, Ogiso, Minami, Kojima, Yamaoka, Katayama, Kawai, Yoshitoshi-Uebayashi, Kita, Yasuda, Sasaki, Uemoto: "A novel three-dimensional culture system maintaining the physiological extracellular matrix of fibrotic model livers accelerates progression of hepatocellular carcinoma cells." in: **Scientific reports**, Vol. 7, Issue 1, pp. 9827, (2017) ([PubMed](#)).

Zhang, Dang, Li, Hao, Li, Qi: "Cardiac Contractility Modulation Attenuate Myocardial Fibrosis by Inhibiting TGF- β 1/Smad3 Signaling Pathway in a Rabbit Model of Chronic Heart Failure." in: **Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology**, Vol. 39, Issue 1, pp. 294-302, (2017) ([PubMed](#)).

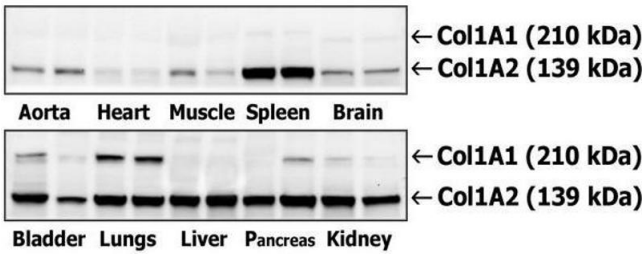
Zhou, Zhu, Zhang, Zhang, Zhou, Wang, He: "Imperatorin derivative OW1 inhibits the upregulation of TGF- β and MMP-2 in renovascular hypertension-induced cardiac remodeling." in: **Experimental and therapeutic medicine**, Vol. 11, Issue 5, pp. 1748-1754, (2016) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



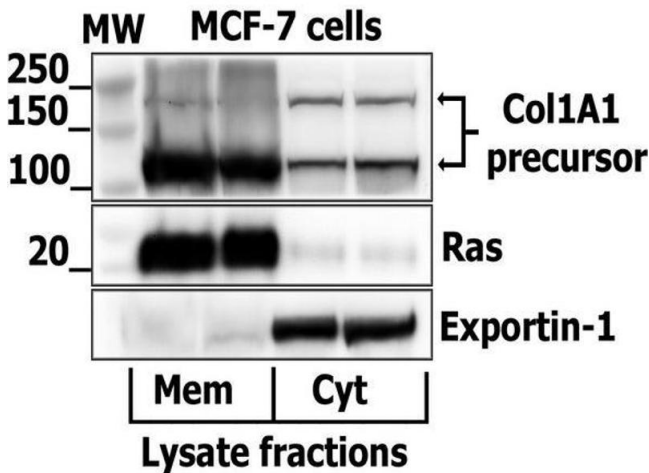
Western Blotting

Image 1. miR155 deletion increases adipose tissue fibrosis under high-fat diet (HFD) conditions in male mice. (A) Representative images of H&E and Picrosirius Red staining in epididymal AT (20x), (B) representative western blots of Collagen I, III, and VI (n = 4-8), (C) average epididymal adipocyte size (n = 6-8), and (D) epididymal adipose tissue gene expression of adiponectin. *Significantly different (P < 0.05). - figure provided by CiteAb. Source: PMID28947593



Western Blotting

Image 2. Image kindly submitted by Edita Aksamitiene as part of the Free Sample Program. Rat aorta, brain, spleen, pancreas, muscle, bladder, lungs, liver, and kidney lysates probed with Rabbit Anti-Collagen I Polyclonal antibody at 1:1000.



Western Blotting

Image 3. Image kindly submitted by Edita Aksamitiene as part of the Free Sample Program. MCF-7 cells probed with Rabbit Anti-Collagen I Polyclonal antibody at 1:1000.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2173309.