#### Supplementary material to:

# DOWNREGULATION OF SIRT1 IS CORRELATED TO UPREGULATION OF p53 AND INCREASED APOPTOSIS IN EPICARDIAL ADIPOSE TISSUE OF PATIENTS WITH CORONARY ARTERY DISEASE

Mahdieh Khanahmadi<sup>a</sup>, Babak Manafi<sup>b</sup>, Heidar Tayebinia<sup>a</sup>, Jamshid Karimi<sup>a</sup>, Iraj Khodadadi<sup>a\*</sup>

- <sup>a</sup> Department of Clinical Biochemistry, Faculty of Medicine, Hamadan University of Medical Sciences, Hamadan, Iran
- b Department of Surgery, Faculty of Medicine, Hamadan University of Medical Sciences, Hamadan, Iran
- \* Corresponding author: Iraj Khodadadi, Professor in Clinical Biochemistry, Department of Clinical Biochemistry, Faculty of Medicine, Hamadan University of Medical Sciences, Shahid Fahmideh Street, Hamadan-Iran. Tel: +9881 38380572; Fax: +9881 38380208. E-mail: khodadadi@umsha.ac.ir; ikhodadadi@yahoo.com

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#### Supplementary Table 1: Medications used by CAD patients

Medications	Frequency N (%)
Statin	28 (80.00%)
Aspirin	29 (82.86%)
Digoxin	11 (31.43%)
Calcium channel blocker	22 (62.86%)
Beta-blocker	21 (60.00%)
ACEI/ARB	17 (48.57%)
Diuretics	10 (28.57%)
Nitrates	19 (54.29%)

All CAD patients (n = 35) were under treatment with different hypotensive and blood cholesterol lowering medications. ACEI: angiotensin converting enzyme inhibitor, N: number of patients.

#### Supplementary Table 2: Gene expression levels in control and patients with coronary artery disease.

Variable		mRNA expression fold change Median (IQR)			
	Control	CAD	<i>p</i> -value		
SIRT1	0.012 (0.01)	0.006 (0.00)	0.004		
P53	0.015 (0.01)	0.023 (0.02)	0.014		
Bax	0.002 (0.00)	0.004 (0.00)	<0.001		
Bcl2	0.002 (0.00)	0.003 (0.00)	0.462		
Bax/Bcl2	0.971 (1.26)	1.270 (3.00)	0.007		

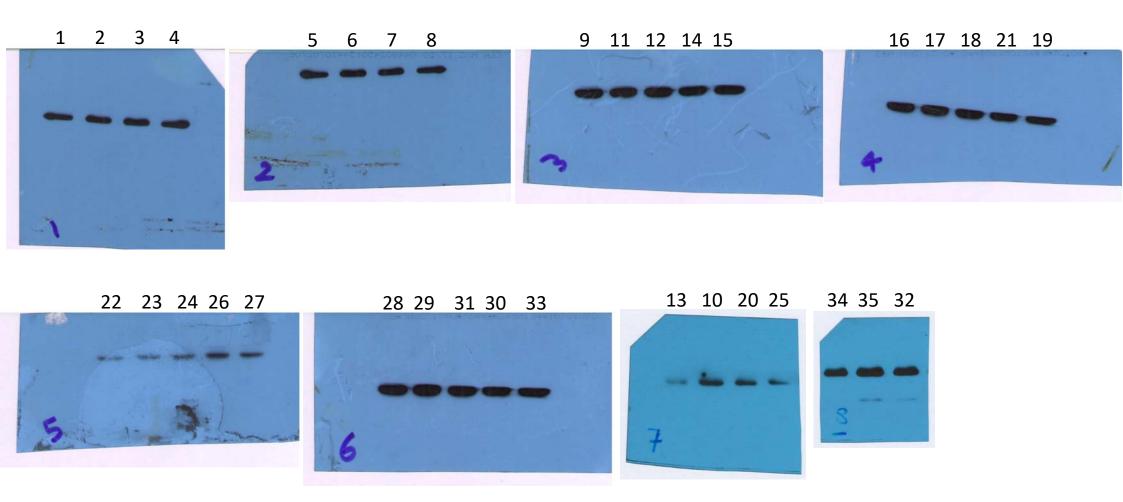
The results for mRNA expression levels are shown as median (IQR). CAD: coronary artery disease, IQR: interquartile range, SIRT1: Sirtuin 1.

#### **Supplementary Table 3:** Protein expression levels in control and patients with coronary artery disease.

Variable	Protein expression fold change Median (IQR)			
	Control	CAD	p-value	
SIRT1	1.912 (1.11)	0.997 (0.51)	<0.001	
P53	0.684 (0.31)	1.089 (0.41)	<0.001	

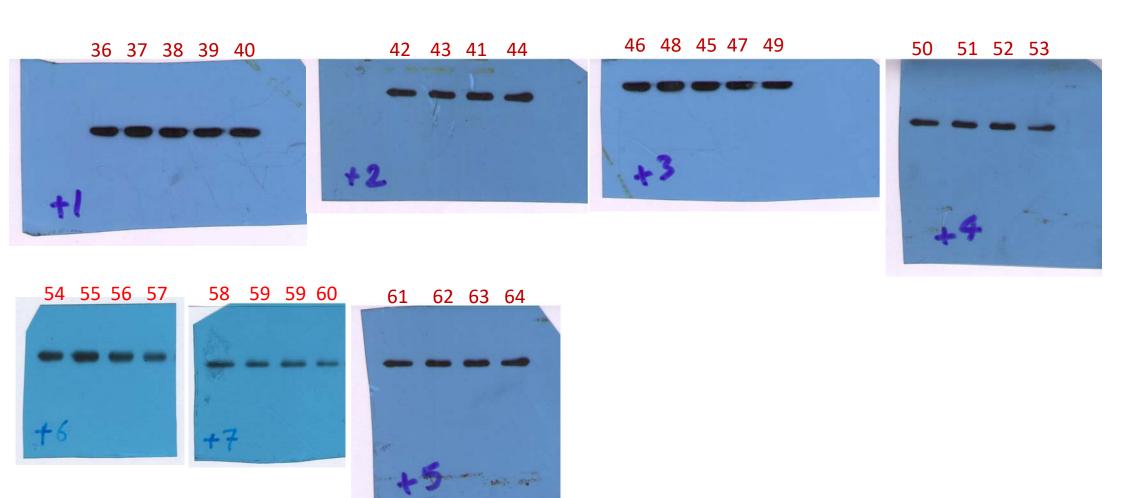
The results for protein expression levels are shown as median (IQR). CAD: coronary artery disease, IQR: interquartile range, SIRT1: Sirtuin 1.

### B-actin samples from CAD patients



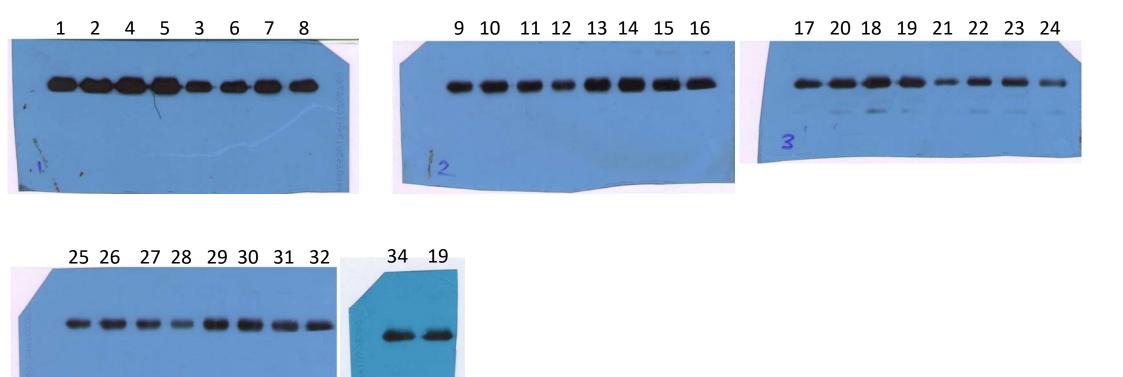
Lanes identified with **black color** represent samples from CAD patients.

### B-actin samples from Control subjects



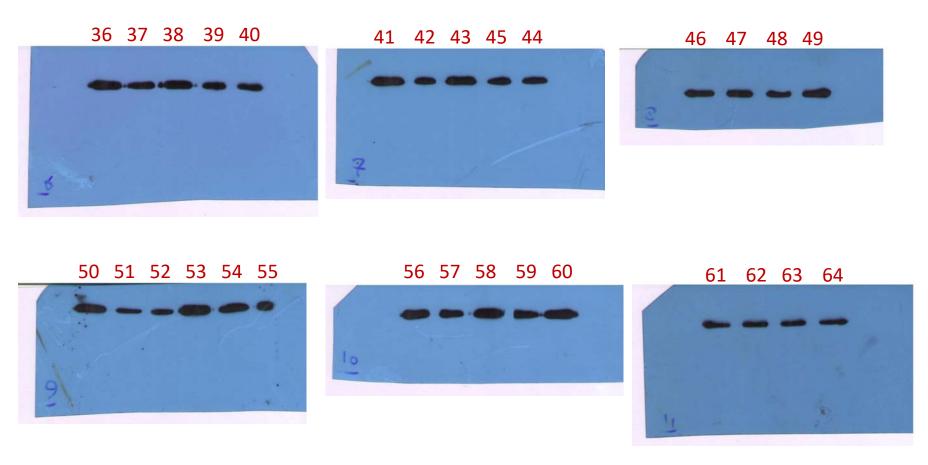
Lanes identified with red color represent samples from CAD patients.

## P53 samples from CAD patients



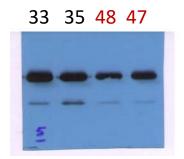
Lanes identified with **black color** represent samples from CAD patients.

### P53 samples from Control subjects



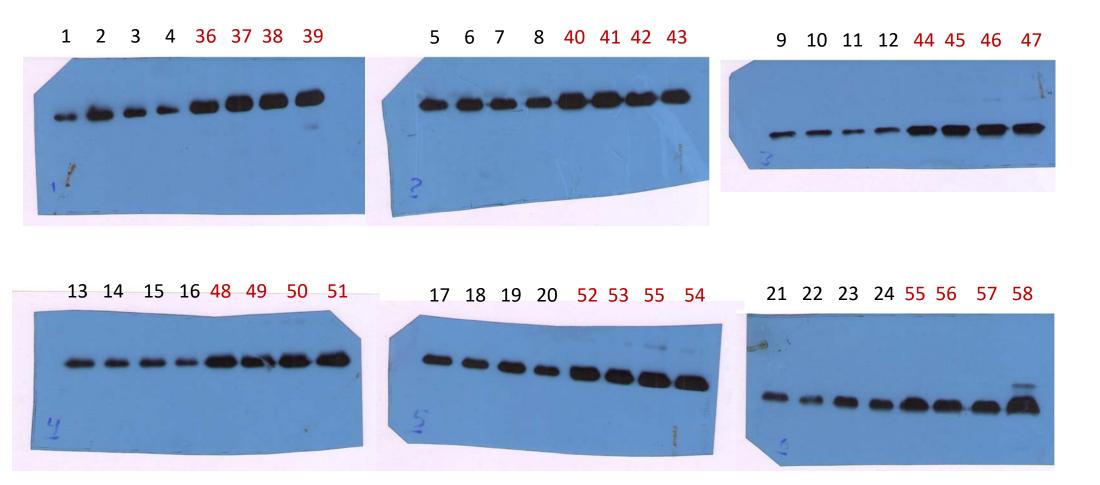
Lanes identified with red color represent samples from CAD patients.

### P53 samples from CAD patients/Control subjects



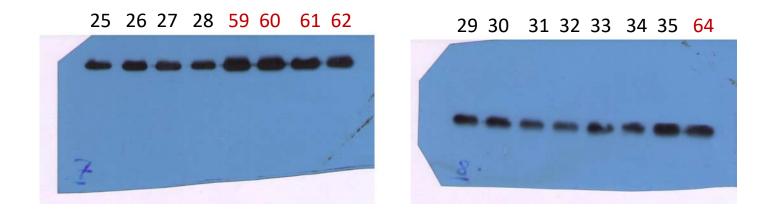
Lanes identified with **black** or **red colors** represent samples from CAD patients or control subjects, respectively

#### SIRT1 samples from CAD patients/Control subjects



Lanes identified with **black** or **red colors** represent samples from CAD patients or control subjects, respectively

### SIRT1 samples from CAD patients/Control subjects



Lanes identified with **black** or **red colors** represent samples from CAD patients or control subjects, respectively