

Sirt3 Exerts Its Tumor-Suppressive Role by Increasing p53 and Attenuating Response to Estrogen in MCF-7 Cells

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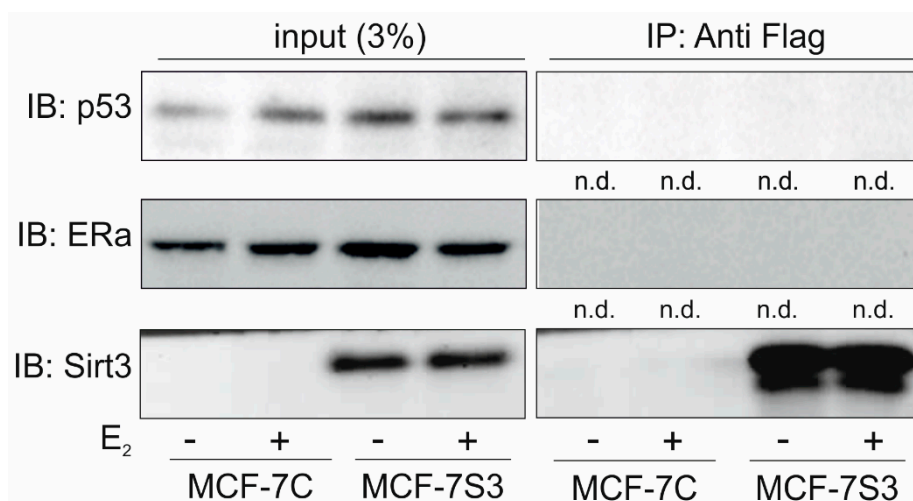
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Table S1. Antibodies used in this study for Western blot analyses.

Antibody	Dilution	Host	Manufacturer
Sirt3 (F-10, sc-365175)	1:500	Mouse	Santa Cruz Biotechnology, USA
ER- α (F-10, sc-8002)	1:500	Mouse	Santa Cruz Biotechnology, USA
GAPDH (ab9485)	1:5000	Mouse	Abcam, UK
H3 (ab1791)	1:3000	Rabbit	Abcam, UK
NDUFA9 (ab14713)	1:1000	Mouse	Abcam, UK
UQCRC (ab14745)	1:1000	Mouse	Abcam, UK
ATP5A (ab14748)	1:1000	Mouse	Abcam, UK
SDHA (ab14715)	1:1000	Mouse	Abcam, UK
AcSOD2 (ab137037)	1:1000	Rabbit	Abcam, UK
Catalase (ab1877)	1:1000	Rabbit	Abcam, UK
Nrf2 (ab31163)	1:1000	Rabbit	Abcam, UK
p53 (DO-1, sc-126)	1:2000	Mouse	Santa Cruz Biotechnology, USA
AIF (B-9, sc-55519)	1:500	Mouse	Santa Cruz Biotechnology, USA
gamma H2AX (phospho S139, ab11174)	1:8000	Rabbit	Abcam, UK
Anti-mouse (170-6516)	1:5000	Goat	Bio-rad, USA
Anti-rabbit (NA934)	1:5000	Goat	GE Healthcare, USA

Table S2. Antibodies used in this study for immunofluorescence analyses.

Antibody	Dilution	Host	Manufacturer
Sirt3 (F-10, sc-365175)	1:100	Mouse	Santa Cruz Biotechnology, USA
ER- α (ab16660)	1:500	Rabbit	Abcam, UK
gamma H2AX (phospho S139, ab11174)	1:5000	Rabbit	Abcam, UK
Alexa 488 (A-11001)	1:2000	Mouse	Thermo Fisher Scientific, USA
Alexa 594 (A-11012)	1:1000	Rabbit	Thermo Fisher Scientific, USA

**Figure S1.** Sirt3 does not interact with p53 or ER- α in MCF-7 cells. Western blot analysis of coimmunoprecipitation experiment showing no interaction between Sirt3 and ER- α or p53.

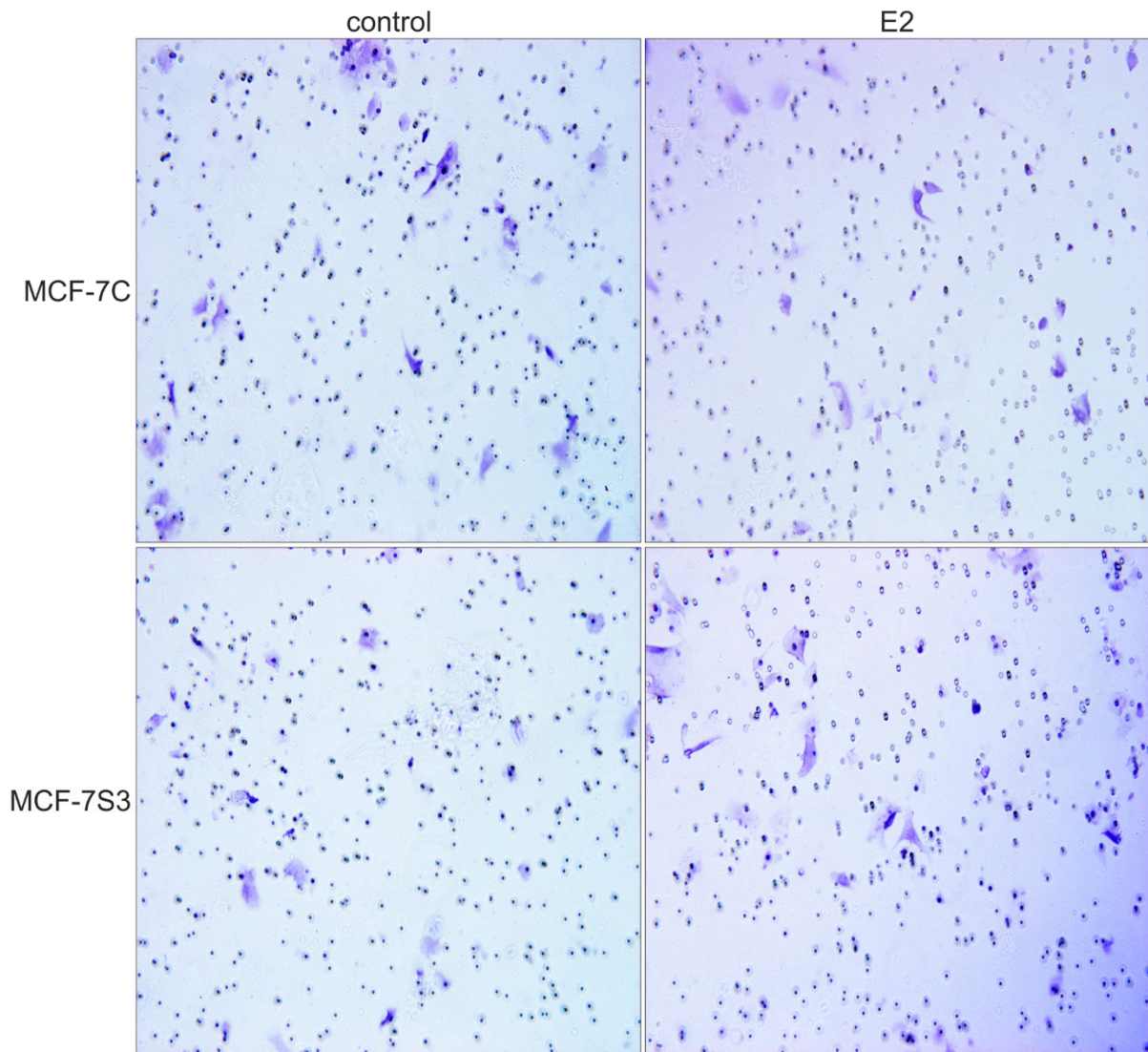


Figure S2. E2 partially rescues reduced migration of MCF-7S3 cells. Representative photographs of migrated MCF-7C and MCF-7S3 cells treated with E2. Samples are stained with crystal violet.