

Supplementary Information

Mitochondrial Mg²⁺ homeostasis decides

Cellular energy metabolism and vulnerability to stress

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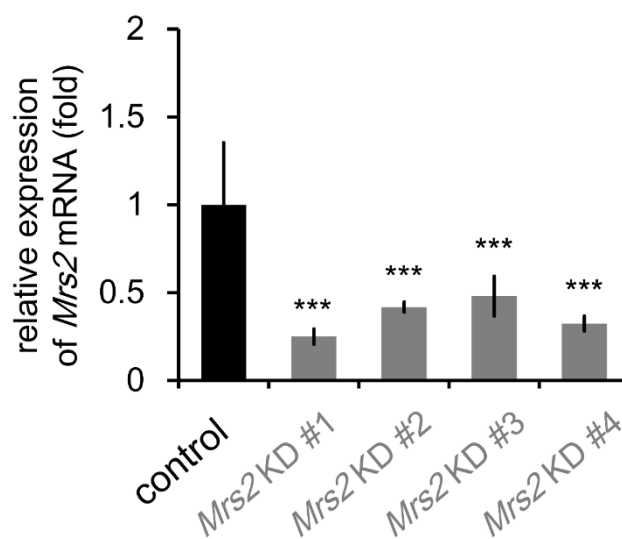


Figure. S1.

Relative expression levels of Mrs2 mRNA in HeLa cells transfected with expression vectors for miR RNAi against Mrs2 (Mrs2 RNAi #1, #2, #3 and #4) were estimated with real-time PCR. In cells transfected with the miR RNAi against Mrs2, the expression levels of Mrs2 mRNA were suppressed. Relative Mrs2 mRNA expression levels were determined using glyceraldehyde-3-phosphate dehydrogenase (GAPDH) as an internal standard, and each expression level was normalized with that of mock-transfected cells. Expression levels were measured in 3–4 different samples and compared with that in mock-transfected cells. The error bars indicate SEM. *** indicates $p < 0.05$ (Dunnett's test).