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RAGE-dependent mitochondria pathway

A novel target of silibinin against apoptosis of osteoblastic cells induced by advanced glycation end products article

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Supplementary Figure Legends

Supplementary Figure 1 Silibinin prevented AGEs-induced LDH release of osteoblastic MC3T3-E1 cells. LDH released into the medium. Error bars indicate SEM (n=6).

Supplementary Figure 2 Similar to the results of H₂O₂ treatment, AGEs increased the production of mitochondrial ROS and decreased mitochondrial membrane potential in osteoblastic MC3T3-E1 cells. **a, b** Representative images showing MitoSOX staining and quantification in the indicated groups. Scale bars=100 μ m. **c, d** Representative images showing TMRM staining and quantification in the indicated groups. Scale bars=100 μ m. Error bars indicate SEM (n=6).

Supplementary Figure 3 Working hypothesis: Silibinin ameliorated AGEs-induced apoptosis via RAGE-dependent mitochondrial pathway.

Supplementary Figure 4 Uncropped full-length pictures of Western blotting membranes. Uncropped full-length pictures of Western blotting membranes presented in the main figures. Membranes were often cut to enable blotting for multiple antibodies.