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Inhibitory Effects on Cell Survival and Quinone Reductase Induced Activity of *Hizikia fusiformis* Fraction on Human Cancer Cells.

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This study was performed to determine the inhibitory effects on cell survival and quinone reductase induced activity of *Hizikia fusiformis*(HF) on human cancer cells which, using methanol, was extracted(HFM) and fractionated into four different solvent types: hexane (HFMH), methanol(HFMM), butanol(HFMB) and aqueous(HFMA) partition layers. We determined the cytotoxic effect of these layers on human cancer cells by MTT assay. Among various partition layers of HFM, the HFMB and HFMM were showed the strong cytotoxic effects on cancer cell lines we used. The quinone reductase(QR) induced activity on HepG2 cells, HFMB at a does of 150 μ g/mL was 2.78 times more effective compared to the control value of 1.0.