

## 研究論文

## 日本酒発酵濾液及び酒粕の癌細胞増殖に及ぼす影響

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## Effect of Moromi Solutions and Sake Cakes on Growth of Cancer Cells

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We studied the effect of fermented sake (moromi) solutions and sake cake extracts on the growth of cancer cells. The long fermented moromi solutions inhibited the growth of cancer cells. On SDS/PAGE (sodium dodecyl sulfate/polyacrylamide gel electrophoresis), we found that decreasing of 52-kDa and 28-kDa protein bands in long fermented solutions. The 28-kDa protein may play an important role in the inhibition of cancer cell growth by fermented sake solutions.

**Key Words** : Sake, Sake cake, cancer cell, neuron, molecular chaperones