Abstract

The present invention relates to a method for diagnosis of bile duct cancer, using methionyl-tRNA synthetase (MRS) in bile duct cells and, more particularly, to a composition for diagnosing bile duct cancer, comprising an agent with which an expression level of methionyl-tRNA synthetase protein is measured, a diagnostic kit, and a method for qualitative or quantitative analysis of MRS to provide information necessary for the diagnosis of bile duct cancer. According to the present invention, MRS retains a very high value as a diagnostic marker for bile duct cancer in terms of rapidity and accuracy because MRS allows determination to be made to see whether bile duct cancer is present or absent for bile duct cells, which have been classified as atypical cells by conventional pathological examination methods. Hence, the present invention provides a method for discriminating between cancer cells and normal cells in atypical cells and can make a definite diagnosis of cancer with almost 100 % in all of sensitivity, specificity, and accuracy in contrast to many conventional cancer markers with which an actual result of diagnosis is substantially difficult to obtain at a cell level (that is, cytodiagnosis).