ABSTRACT

Identification of a novel target molecule for preventing/treating cancer and a preventive/remedy agent for cancer which targets the molecule, specifically, an agent for promoting the apoptosis in cancer cells and/or inhibiting the growth of cancer cells and a preventive/remedy agent for cancer, which comprise an antibody against a protein including the same or substantially the same amino acid sequence as the amino acid sequence represented by SEQ ID NO: 2, SEQ ID NO: 4, SEQ ID NO: 6, SEQ ID NO: 8, SEQ ID NO: 10, SEQ ID NO: 12, SEQ ID NO: 14, SEQ ID NO: 16 or SEQ ID NO: 18; an antisense polynucleotide of the protein (preferably, siRNA against mRNA of the protein); and a substance controlling the expression and/or activity of the protein, are provided by the present invention. A method of screening for a substance that promotes apoptosis in cancer cells and/or inhibits the growth of cancer cells and a preventive/remedy substance for cancer, in which the method comprises using a protein (preferably a cell producing the protein), an antibody against the protein, or a polynucleotide encoding the protein, is also provided by the present invention.