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(54) Title: PPGALNAC-T6 MRNA OR PEPTIDE AS A NEW MARKER FOR DETECTION CANCER CELLS

(57) Abstract: The invention is directed to UDP-N-Acetyl-D-galactosamine: polypeptide NAcetylgalactosaminyltransferase 6 (ppGalNac-T6) mRNA or peptide as a new marker for method for diagnosing or prognosticating cancer in a subject, particularly for measuring the aggressiveness of cancer in a subject or for determining the presence of disseminated cancer cells in a subject with cancer. The invention further comprises specific anti-human ppGalNac-T6 polyclonal or monoclonal antibodies, hybridoma cells capable of secreting such monoclonal antibodies and kits comprising such antibodies. The present invention also pertains to a method for the selection of anticancer compounds capable of inhibiting the ppGalNac-T6 mRNA or peptide in cell.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

C12Q1/48 G01N33/574 C07K16/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C12Q G01N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/059377 A (EOS BIOTECHNOLOGY, INC; PROTEIN DESIGN LABS) 1 August 2002 (2002-08-01)	1-22, 24, 29, 32, 33
A	claims 1, 5, 24 table 25, sequence 65	23, 25-28, 30, 31, 34-38
A	MARCOS NUNO T ET AL: "Polypeptide GalNAc-transferases, ST6GalNAc-transferase I, and ST3Gal-transferase I expression in gastric carcinoma cell lines." JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, vol. 51, no. 6, June 2003 (2003-06), pages 761-771, XP002327090 ISSN: 0022-1554 page 767, column 2, line 6	1-38

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	BENNETT ERIC PAUL ET AL: "Cloning and characterization of a close homologue of human UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-T3, designated GalNAc-T6. Evidence for genetic but not functional redundancy" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 36, 3 September 1999 (1999-09-03), pages 25362-25370, XP002327117 ISSN: 0021-9258 the whole document -----	1-38

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			EP 1425302 A2	09-06-2004
			JP 2005503760 T	10-02-2005