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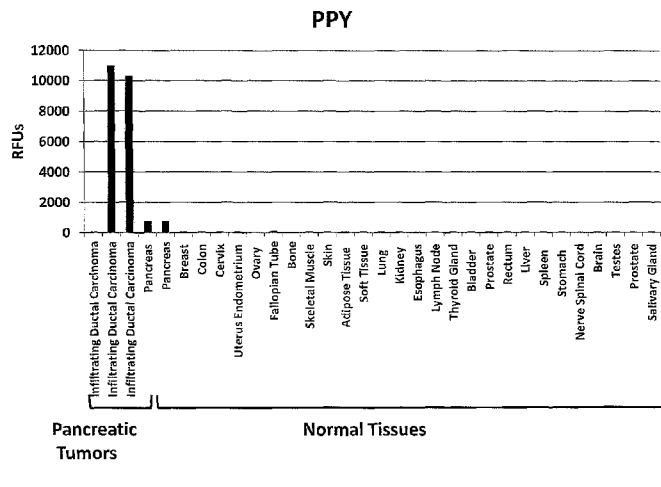
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(54) Title: METHODS AND COMPOSITIONS FOR THE TREATMENT AND DIAGNOSIS OF PANCREATIC CANCER

FIG 1



(57) Abstract: The invention provides methods, compositions and kits for the detection and treatment of pancreatic cancer. In certain embodiments the invention provides a method of detecting pancreatic cancer in a subject comprising a) obtaining a sample from a subject; b) contacting the sample obtained from the subject with one or more agents that detect one or more markers expressed by a pancreatic cancer cell c) contacting a non-cancerous cell with the one or more agents from b); and d) comparing the expression level of the marker in the sample obtained from the subject with the expression level in the non-cancerous cell, wherein a higher level of expression of the marker in the sample compared to the non-cancerous cell indicates that the subject has pancreatic cancer. Suitable markers include the genes encoded for by any of the genes disclosed infra.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2013/021462

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01N 33/574 (2013.01)

USPC - 435/7.23

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)

IPC(8) - A61K 35/39, 39/395; C07K 16/00; C12Q 1/68; G01N 33/53, 33/574, 33/577, 33/68 (2013.01)

USPC - 424/130.1; 435/6.1, 6.14, 7.23; 436/501; 506/9

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

CPC - A61K 47/48569, 47/486; G01N 33/57438, 2800/52, 2800/56 (2013.01)

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

PatBase, Google Patent, Google, PubMed

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010/0092476 A1 (HANASH et al) 15 April 2010 (15.04.2010) entire document	1-8, 10-12, 14-17, 19
Y		9, 13, 18, 20
Y	US 2006/0269921 A1 (SEGARA et al) 30 November 2006 (30.11.2006) entire document	9, 13, 18, 20
A	LI et al. "Overexpression of CXCL5 is Associated With Poor Survival in Patients With Pancreatic Cancer," The American Journal of Pathology, 01 March 2011 (01.03.2011), Vol. 178, No. 3, Pgs. 1340-1349. entire document	1-20
A	WANG et al. "Development and optimization of an antibody array method for potential cancer biomarker detection," Journal of Biomedical Research, 01 January 2011 (01.01.2011), Vol. 25, No. 1, Pgs. 63-70. entire document	1-20

 Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

27 June 2013

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INTERNATIONAL SEARCH REPORT

International application No.

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.c of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of a sequence listing filed or furnished:

a. (means)

on paper

in electronic form

b. (time)

in the international application as filed

together with the international application in electronic form

subsequently to this Authority for the purposes of search

2. In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

ISA/225 mailed on 09 April 2013. No electronic sequence listing was submitted in response to the ISA/225.