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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS FOR PREDICTION AND PROGNOSIS OF CANCER, AND MONITORING CANCER THERAPY

(57) Abstract: The present invention also relates to biomarkers and the use of biomarkers for the prediction and prognosis of cancer as well as the use of biomarkers to monitor the efficacy of cancer treatment. Specifically, this invention relates to the use of cortactin as a biomarker for kinase inhibitors.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/33095

A. CLASSIFICATION OF SUBJECT MATTER

IPC: C12Q 1/00(2006.01),1/68(2006.01);G01N 21/00(2006.01),21/75(2006.01),33/00(2006.01),33/48(2006.01),33/53(2006.01),33/567(2006.01),33/574(2006.01)

USPC: 435/4,6,7.1,7.21,7.23;436/63,64,86,174,164

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)

U.S. : 435/4, 6, 7.1, 7.21, 7.23; 436/63, 64, 86, 174, 164

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 practicable, search terms used)

GenCore databases; WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A --- Y	SCHUURING, ED et al. The produce of the EMS1 gene, amplified and overexpressed in human carcinomas, is homologous to a v-src substrate and is located in cell-substratum contact sites. Molecular And Cellular Biology. May 1993, Vol. 13, No. 5, pages 2891-2898 and attached database sheets.	1-25 ----- 26-33
A --- Y	MIGLARESE, M.R. et al. The protein tyrosine substrate cortactin is differentially expressed in murine B lymphoid tumors. Oncogene. 1994, Vol. 9, pages 1989-1997 and attached database sheets.	1-25 ----- 26-33

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
"B"	earlier application or patent published on or after the international filing date	"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
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"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
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/33095

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

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

a. type of material

a sequence listing

table(s) related to the sequence listing

b. format of material

on paper

in electronic form

c. time of filing/furnishing

contained in the international application as filed

filed together with the international application in electronic form

furnished 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 and/or table relating thereto 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: