ABSTRACT: This invention provides methods for treating or preventing the onset of a tumor in a subject, wherein the tumor is determined to overexpress a Hox gene, including administering to the subject a therapeutically or prophylactically effective amount of an insulin-like growth factor-1 receptor (IGF-IR) antagonist. The invention also provides methods for determining whether a tumor in a subject is amenable to treatment with an IGF-IR antagonist including determining whether the tumor overexpresses a Hox gene, wherein overexpression of the Hox gene indicates that the tumor is amenable to treatment with an IGF-IR inhibitor.
INTERNATIONAL SEARCH REPORT

A CLASSIFICATION OF SUBJECT MATTER

IPC

USPC
425/6, 1,536/24 5,5 14/44,424/130 1,530/388 22

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 435/6, 7 1, 536/24 5, 5 14/44, 424/130 1, 530/388 22

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)

Please See Continuation Sheet

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No

X FERRANDO et al Gene expression signatures in Mi-arranged T-lineage and B-precur sor acute leukemias dominance of HOX dysregulation Neoplasia 01 July 2003, Vol 102, No 1, pages 262-268, see abstract and page 266-267 18-20

Y U S 6,078,189 A (LOW et al) 06 June 2000,06 06 2000), abstract, claims 2 1

A GOLUB et al Molecular Classification of Cancer Class Discovery and Class Prediction by Gene Expression Monitoring Science 15 October 1999, Vol 286, pages 531-537, see entire disclosure 1-21

Further documents are listed in the continuation of Box C

See patent family annex

Date of the actual completion of the international search 23 June 2008 (23 06 2008)

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P O Box 1450
Alexandria, Virginia 22313-1450

Facsimile No (57 1) 273-2201

Authorized ISA/US

Telephone No 57 1-272-0604

Form PCT/ISA/210 (second sheet) (April 2007)
Continuation of B. FIELDS SEARCHED Item 3:
Medline, US Patents database (EAST)
search terms hox, hoxa9, igf-lr