

Title (en)

SCREENING METHOD OF ANTI-LUNG OR ESOPHAGEAL CANCER COMPOUNDS

Title (de)

SCREENING-VERFAHREN FÜR VERBINDUNGEN GEGEN LUNGEN- ODER SPEISERÖHRENKREBS

Title (fr)

PROCÉDÉ D'ANALYSE DE COMPOSÉS CONTRE LE CANCER DU POUMON OU DE L' SOPHAGE

Publication

**EP 2362905 A4 20120704 (EN)**

Application

**EP 09821729 A 20090824**

Priority

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Abstract (en)

[origin: WO2010047028A1] Disclosed herein is a method for determining a kinase activity of ERK for CDCA5 and methods of screening for modulators of this kinase activity. Also disclosed are methods and pharmaceutical compositions for preventing and/or treating lung cancer or esophageal cancer that use or include such modulators.

IPC 8 full level

**C12N 15/09** (2006.01); **A61K 38/00** (2006.01); **A61P 35/00** (2006.01); **C07K 14/47** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12Q 1/48** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/53** (2006.01)

CPC (source: EP)

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Citation (search report)

- [XP] WO 2009028581 A1 20090305 - ONCOTHERAPY SCIENCE INC [JP], et al & DATABASE Geneseq [online] 30 April 2009 (2009-04-30), "Human CDCA5 protein sequence, SEQ ID 2.", XP002674892, retrieved from EBI accession no. GSP:AWH78695 Database accession no. AWH78695
- [E] WO 2009131366 A2 20091029 - KOREA RES INST OF BIOSCIENCE [KR], et al
- [XI] DATABASE Geneseq [online] 26 June 2003 (2003-06-26), "Human CGDD-18 protein.", XP002674893, retrieved from EBI accession no. GSP:AAE36187 Database accession no. AAE36187 & WO 02102310 A2 20021227 - INCYTE GENOMICS INC [US], et al
- [XI] DATABASE Geneseq [online] 2 April 2003 (2003-04-02), "Lung cancer-associated polypeptide #46.", XP002674894, retrieved from EBI accession no. GSP:ABU56453 Database accession no. ABU56453 & WO 02086443 A2 20021031 - EOS BIOTECHNOLOGY INC [US], et al
- [T] NGUYEN MINH-HUE ET AL: "Phosphorylation and Activation of Cell Division Cycle Associated 5 by Mitogen-Activated Protein Kinase Play a Crucial Role in Human Lung Carcinogenesis", CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, US, vol. 70, no. 13, 1 July 2010 (2010-07-01), pages 5337 - 5347, XP009158764, ISSN: 0008-5472, [retrieved on 20100615], DOI: 10.1158/0008-5472.CAN-09-4372
- [A] RANKIN SUSANNAH ET AL: "Sororin, a substrate of the anaphase-promoting complex, is required for sister chromatid cohesion in vertebrates", MOLECULAR CELL, CELL PRESS, CAMBRIDGE, MA, US, vol. 18, no. 2, 1 April 2005 (2005-04-01), pages 185 - 200, XP002608175, ISSN: 1097-2765
- [A] SCHMITZ ET AL: "Sororin Is Required for Stable Binding of Cohesin to Chromatin and for Sister Chromatid Cohesion in Interphase", CURRENT BIOLOGY, CURRENT SCIENCE, GB, vol. 17, no. 7, 2 April 2007 (2007-04-02), pages 630 - 636, XP022009298, ISSN: 0960-9822, DOI: 10.1016/J.CUB.2007.02.029
- See references of WO 2010047028A1

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