

Title (en)
SCREENING METHOD OF ANTI-LUNG OR ESOPHAGEAL CANCER COMPOUNDS

Title (de)
SCREENING-VERFAHREN FÜR VERBINDUNGEN GEGEN LUNGEN- ODER SPEISERÖHRENCREBS

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
• JP 2009004054 W 20090824
• US 19726308 P 20081024

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)
A61P 35/00 (2017.12); **C07K 14/71** (2013.01); **C12N 9/1205** (2013.01); **C12Q 1/485** (2013.01); **G01N 33/5011** (2013.01); **G01N 33/57423** (2013.01); **A61K 38/00** (2013.01); **C07K 2319/00** (2013.01); **C07K 2319/41** (2013.01); **C07K 2319/50** (2013.01)

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

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010047028 A1 20100429; EP 2362905 A1 20110907; EP 2362905 A4 20120704; JP 2012506236 A 20120315

DOCDB simple family (application)
JP 2009004054 W 20090824; EP 09821729 A 20090824; JP 2011517681 A 20090824