

Title (en)  
NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 109P1D4 USEFUL IN TREATMENT AND DETECTION OF CANCER

Title (de)  
NUCLEINSÄUREN UND ENTSPRECHENDE PROTEINE MIT DER BEZEICHNUNG 109P1D4 ZUR BEHANDLUNG UND ZUM NACHWEIS VON KREBS

Title (fr)  
ACIDES NUCLEIQUES ET PROTEINES CORRESPONDANTES APPELEES 109P1D4 UTILES DANS LE TRAITEMENT ET LA DETECTION DU CANCER

Publication  
**EP 1622571 A4 20120502 (EN)**

Application  
**EP 04760669 A 20040430**

Priority  
• US 2004013568 W 20040430  
• US 46700203 P 20030430

Abstract (en)  
[origin: WO2004098515A2] A novel gene 109P1D4 and its encoded protein, and variants thereof, are described wherein 109P1D4 exhibits tissue specific expression in normal adult tissue, and is aberrantly expressed in the cancers listed in Table i. Consequently, 109P1D4 provides a diagnostic, prognostic, prophylactic and/or therapeutic target for cancer. The 109P1D4 gene or fragment thereof, or its encoded protein, or variants thereof, or a fragment thereof, can be used to elicit a humoral or cellular immune response; antibodies or T cells reactive with 109P1D4 can be used in active or passive immunization.

IPC 8 full level  
**C07K 14/705** (2006.01); **C07K 14/47** (2006.01); **C12N 15/12** (2006.01)

IPC 8 main group level  
**A61K** (2006.01)

CPC (source: EP)  
**A61P 35/00** (2017.12); **A61P 35/02** (2017.12); **A61P 37/04** (2017.12); **C07K 14/4748** (2013.01); **C07K 14/705** (2013.01)

Citation (search report)  
• [I] WO 02083921 A2 20021024 - AGENSYS INC [US]  
• [XI] YOSHIDA K ET AL: "Identification of a Novel Protocadherin Gene (PCDH11) on the Human XY Homology Region in Xq21.3", GENOMICS, ACADEMIC PRESS, SAN DIEGO, US, vol. 62, no. 3, 15 December 1999 (1999-12-15), pages 540 - 543, XP004444711, ISSN: 0888-7543, DOI: 10.1006/GENO.1999.6042  
• [XI] CHEN MIN-WEI ET AL: "The emergence of protocadherin-PC expression during the acquisition of apoptosis-resistance by prostate cancer cells", ONCOGENE, NATURE PUBLISHING GROUP, GB, vol. 21, no. 51, 7 November 2002 (2002-11-07), pages 7861 - 7871, XP002599354, ISSN: 0950-9232  
• See references of WO 2004098515A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004098515 A2 20041118; WO 2004098515 A3 20090430**; AU 2004235755 A1 20041118; AU 2008212020 A1 20080925; AU 2008212020 B2 20120524; CA 2522994 A1 20041118; CA 2522994 C 20120925; EP 1622571 A2 20060208; EP 1622571 A4 20120502; JP 2007525183 A 20070906; JP 2011152132 A 20110811

DOCDB simple family (application)  
**US 2004013568 W 20040430**; AU 2004235755 A 20040430; AU 2008212020 A 20080905; CA 2522994 A 20040430; EP 04760669 A 20040430; JP 2006514206 A 20040430; JP 2011023063 A 20110204