(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 February 2011 (24.02.2011)

PCT

(10) International Publication Number
WO 2011/020529 A3

(51) **International Patent Classification**:
C07K 16/28 (2006.01) ***C07K 16/00*** (2006.01)
G01N 33/53 (2006.01) ***C12N 15/13*** (2006.01)

(21) **International Application Number**:
PCT/EP2010/004313

(22) **International Filing Date**:
15 July 2010 (15.07.2010)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
09010666.7 19 August 2009 (19.08.2009) EP

(71) **Applicant** *(for all designated States except US)*: **MERCK PATENT GMBH** [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(72) **Inventors; and**

(75) **Inventors/Applicants** *(for US only)*: **GOODMAN, Simon** [GB/DE]; Hahlgartenstrasse 29, 64347 Griesheim (DE). **WILM, Claudia** [DE/DE]; Dahlienweg 24, 64291 Darmstadt (DE). **MITJANS, Francesc** [ES/ES]; Pujadas 78, 42a, E-08700 Igualda (ES).

(81) **Designated States** *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) **Designated States** *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *with sequence listing part of description (Rule 5.2(a))*

(88) **Date of publication of the international search report**:
16 June 2011

(15) **Information about Correction**:

Previous Correction:
see Notice of 21 April 2011

(54) **Title**: ANTIBODIES FOR THE DETECTION OF INTEGRIN COMPLEXES IN FFPE MATERIAL

(57) **Abstract**: The invention relates to antibodies that are capable to bind the extracellular domain of integrin. Another object of the invention concerns the use of said antibodies for detecting integrins in archival formalin fixed paraffin embedded (FFPE) tissue. The invention also relates to methods for preparing monoclonal rabbit antibodies, wherein the immunogen is an insect expression culture-derived recombinant extracellular integrin domain, and another method for screening anti-integrin antibodies that discriminate between closest integrin homologues and that are especially suited for immunohistochemistry in FFPE material.

WO 2011/020529 A3