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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 October 2010 (14.10.2010)

PCT

(10) International Publication Number
WO 2010/115555 A3

(51) **International Patent Classification**:
C07K 16/28 (2006.01) ***A61K 39/395*** (2006.01)
A61P 35/00 (2006.01)

(21) **International Application Number**:
PCT/EP2010/002009

(22) **International Filing Date**:
30 March 2010 (30.03.2010)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
09004905.7 2 April 2009 (02.04.2009) EP

(71) **Applicant** *(for all designated States except US)*: **F. HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, CH-4070 Basel (CH).

(72) **Inventors; and**
(75) **Inventors/Applicants** *(for US only)*: **BAEHNER, Monika** [DE/DE]; Slevogtstrasse 24, 81379 Muenchen (DE). **KNOETGEN, Hendrik** [DE/DE]; Agathe-Fleissner-Weg 16, 82377 Penzberg (DE). **NIEWOEHNER, Jens** [DE/DE]; Schuchstrasse 15, 81477 Muenchen (DE).

(74) **Agent**: **BURGER, Alexander**; Roche Diagnostics GmbH, Patentabteilung (TR-E), Postfach 11 52, 82372 Penzberg (DE).

(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 (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).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

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

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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

(88) **Date of publication of the international search report**:
6 January 2011

WO 2010/115555 A3

(54) **Title**: ANTIBODIES AGAINST HUMAN TWEAK AND USES THEREOF

(57) **Abstract**: An antibody binding to TWEAK, characterized by binding to TWEAK characterized by comprising as heavy chain variable domain a CDR3H selected from the group consisting of SEQ ID NO: 8, 16 or 24.