PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :
C12N 15/54, A61K 38/45, G01N 33/50, C07K 16/40, C12N 9/12, A61K 31/47, 31/44, A61P 1/00, 5/48

A2

(11) International Publication Number: **WO 00/11191**

(43) International Publication Date: 2 March 2000 (02.03.00)

(21) International Application Number: PCT/US99/18543

(22) International Filing Date: 13 August 1999 (13.08.99)

(30) Priority Data:

9817930.2	18 August 1998 (18.08.98)	GB
9827712.2	16 December 1998 (16.12.98)	GB

(71) Applicants: BASF AKTIENGESELLSCHAFT [US/US]; c/o BASF Bioresearch Corp., 100 Research Drive, Worcester, MA 01605–4314 (US). MEDICAL RESEARCH COUNCIL [GB/GB]; 20 Park Crescent, London W1N 4AL (GB).

(72) Inventors: ALLEN, Hamish, John; 14 Twin Spring Drive, Boylston, MA 01505 (US). DIXON, Richard, Woodward; 6 Samuel Drive, North Grafton, MA 01536 (US). KAMENS, Joanne, Sara; 21 Wessex Road, Newton Centre, MA 02459 (US). WICKRAMASINGHE, Dineli; 19 Phillips Lane, Newton, MA 02160 (US). XU, Yajun; 26 Smith Street, Westborough, MA 01581 (US). BELICH, Monica, Polidoro; 93 Fitzjohn's Avenue, Hampstead, London NM3 6NX (GB). JOHNSTON, Leland, Herries; 51 Cyprus Avenue, Finchley, London N3 1SS (GB). LEY, Steven, Charles; 11 Wrotham Road, High Bernet, Hertfordshire EN5 4LE (GB). SALMERON, Andres; Flat 2, 4A Long Lane, Finchley, London N3 2PT (GB).

(74) Agents: HANLEY, Elizabeth, A. et al.; Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109 (US).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
Without international search report and to be republished upon receipt of that report.

(54) Title: TPL-2/COT KINASE AND METHODS OF USE

(57) Abstract

It is shown that TPL-2 is responsible for phosphorylation of p105 and its resultant proteolysis, which leads to p50 Rel translocation to the nucleus. Accordingly, the invention provides TPL-2 as a specific regulator of the activation of NFκB, and thus as a modulator of inflammatory responses in which p105 is involved, and as a target for the development of compounds capable of influencing NFκB activation.