



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

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<p>(21) International Application Number: PCT/US99/06515</p> <p>(22) International Filing Date: 25 March 1999 (25.03.99)</p> <p>(30) Priority Data: 09/047,652 25 March 1998 (25.03.98) US</p> <p>(71) Applicant (for all designated States except US): GEORGE-TOWN UNIVERSITY MEDICAL CENTER [US/US]; Building D, Suite 177, 4000 Reservoir Road, N.W., Washington, DC 20007 (US).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): PAPADOPOULOS, Vasilios [US/US]; 15417 Peach Leaf Drive, North Potomac, MD 20878 (US). CULTY, Martine [US/US]; 15417 Peach Leaf Drive, North Potomac, MD 20878 (US).</p> <p>(74) Agent: PRATT &amp; ASSOCIATES, INC.; 10821 Hillbrooke Lane, Potomac, MD 20854 (US).</p>	<p>(81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</p> <p><b>Published</b> <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 11 November 1999 (11.11.99)</p>	
<p>(54) Title: PERIPHERAL-TYPE BENZODIAZEPINE RECEPTOR: A TOOL FOR DETECTION, DIAGNOSIS, PROGNOSIS, AND TREATMENT OF CANCER</p> <p>(57) Abstract</p> <p>The expression and subcellular localization of peripheral-type benzodiazepine receptors (PBR) is shown in this application to correlate with the metastatic potential of cells, and increased cell proliferation. Inhibition of PBR expression, function or stability results in a decrease in cell proliferation. Compositions and methods for regulating and/or monitoring PBR and its expression are useful for the detection, diagnosis, prognosis and treatment of solid tumors, in particular, breast cancer.</p>		