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BCL2 regulates neural differentiation

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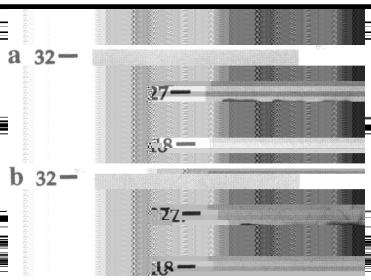
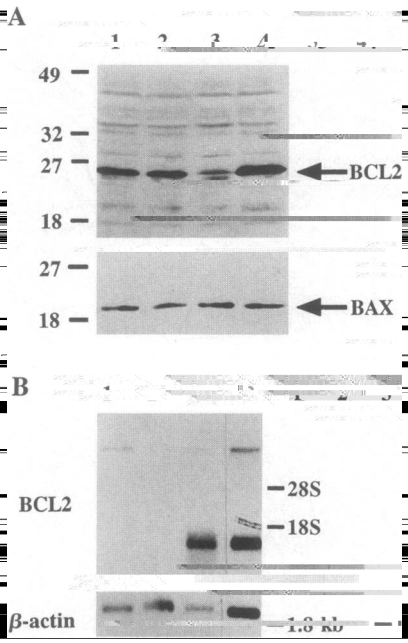
ABSTRACT **A main function attributed to the BCL2** (18, 19). Therefore, it has been suggested that BCL2, in

(700 μg/ml) for 3 weeks. The results presented were obtained with uncloned cell populations.

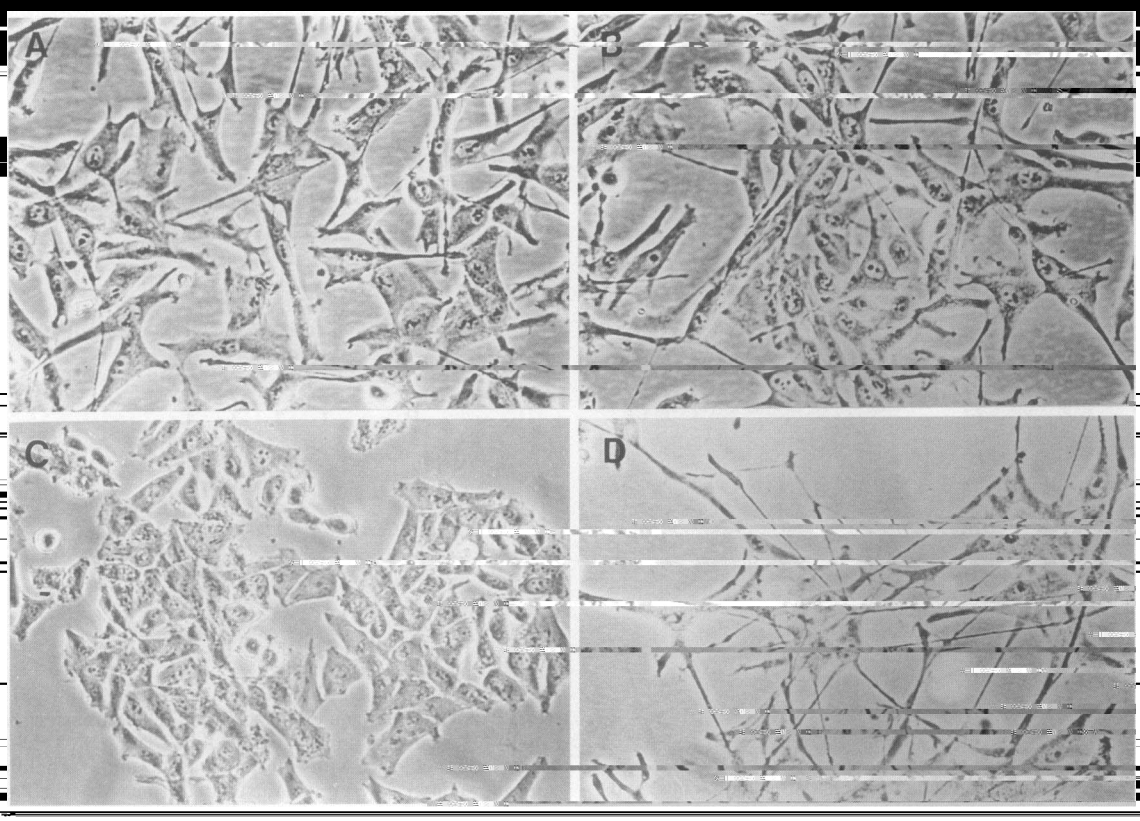
Immunoblotting (Western Blotting). Cells were washed with



with a rubber policeman, and lysed in an ice-cold lysis buffer containing 20 mM Tris·HCl (pH 8.0), 0.2 mM EDTA, 3% Nonidet P-40, 2 mM orthovanadate, 50 mM NaF, 10 mM sodium pyrophosphate, 100 mM NaCl, and 10 μg each of aprotinin and leupeptin per ml. After incubation on ice for 10 min, the samples were centrifuged at 14,000 × *g* for 15 min, and the supernatants were collected. An aliquot was removed for



in wild-type Paju and Paju/neo cells, whereas Paju/s-BCL2



a role as a positive regulator of neural differentiation.

The recent reports on the appearance of regulated expression of BCL2 in the glandular epithelium of the endometrium

to the concept of a regulatory role of BCL2 for cell differentiation. The endometrial glands are formed via cyclic epithelial differentiation. In addition, an association between BCL2 expression, tumor differentiation, and favorable prognosis has been found in different types of human cancer (30, 31, 32), suggesting that BCL2 reduces the growth rate of epithelial

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