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BCL2 regulates neural differentiation

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-	Communicated l	bv <u>Rolf Luft. Karolinska Institute, Stock</u> holm, Sweden, Jan	uary 11. 1996 (received for review July 9, 1995)
-	ABSTRACT	A main function attributed to the BCL2	(18, 19). Therefore, it has been suggested that BCL2, in
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(700 μg/ml) for 3 weeks. The results presented were obtained with uncloned cell populations. Immunoblotting (Western Blotting). Cells were washed with 	
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with uncloned cell populations. Immunoblotting (Western Blotting). Cells were washed with	
Immunoblotting (Western Blotting). Cells were washed with	
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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% 49 - Nonidet P-40, 2 mM orthovanadate, 50 mM NaF, 10 mM 49 -	
sodium pvrophosphate. 100 mM NaCl. and 10 ug each of 32	
aprotinin and leupeptin per ml. After incubation on ice for 10	
min, the samples were centrifuged at $14.000 \times g$ for 15 min. and $27 - 27 - 27 - 27 - 27 - 27 - 27 - 27 $	
the supernatants were collected. An aliquot was removed forB	
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BCL2 = -18S	
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	in wild-type Paiu and Paiu/neo cells, whereas Paiu/s-BCL2
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	a role as a positive regulator of neural differentiation.
	The recent reports on the appearance of regulated expres- sion of BCL2 in the glandular epithelium of the endometrium
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	to the concept of a regulatory role of BCL2 for cell differen-
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	tiation. The endometrial glands are formed via cvclic 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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