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Liu *et al.* 10.1073/pnas.0511342103.

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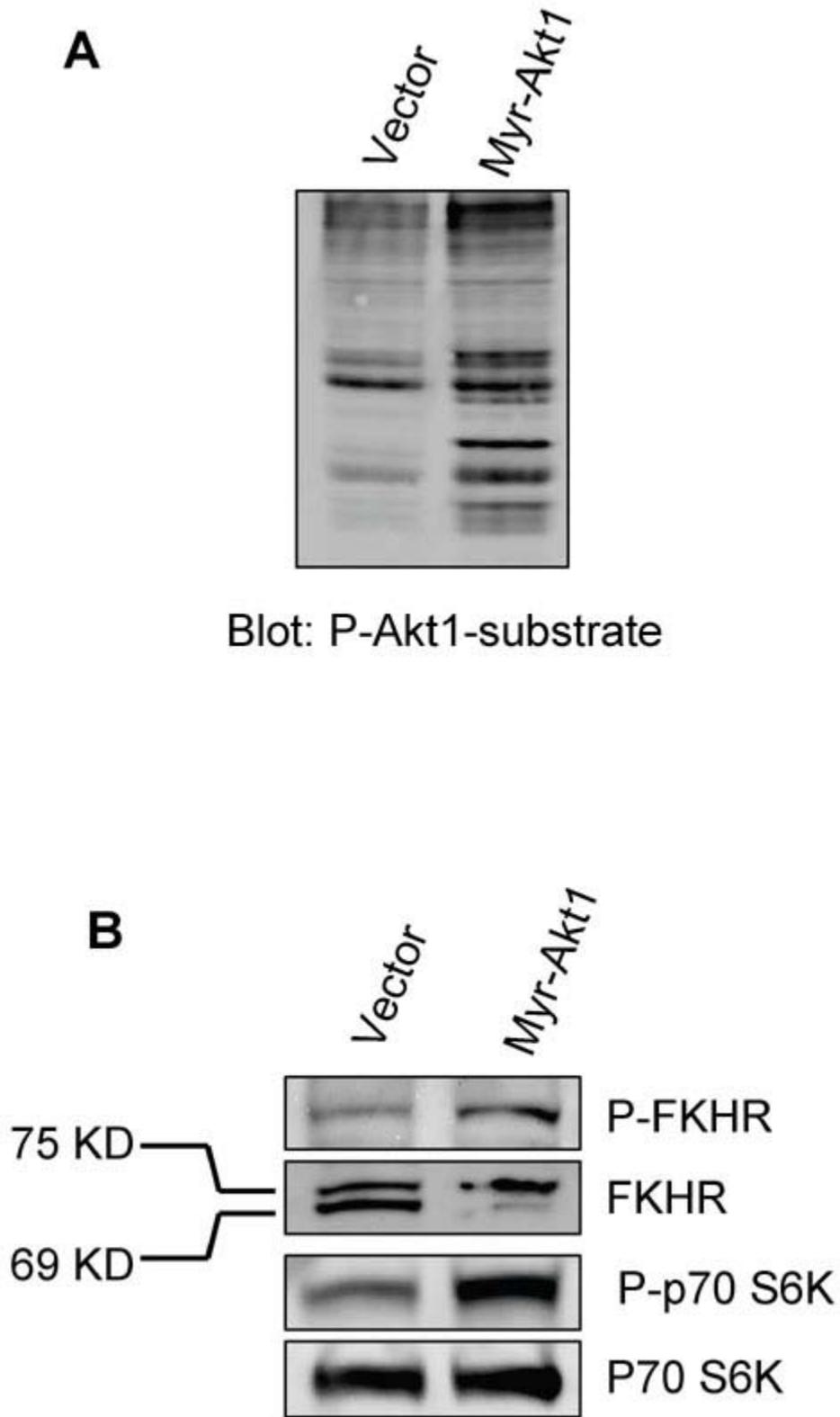
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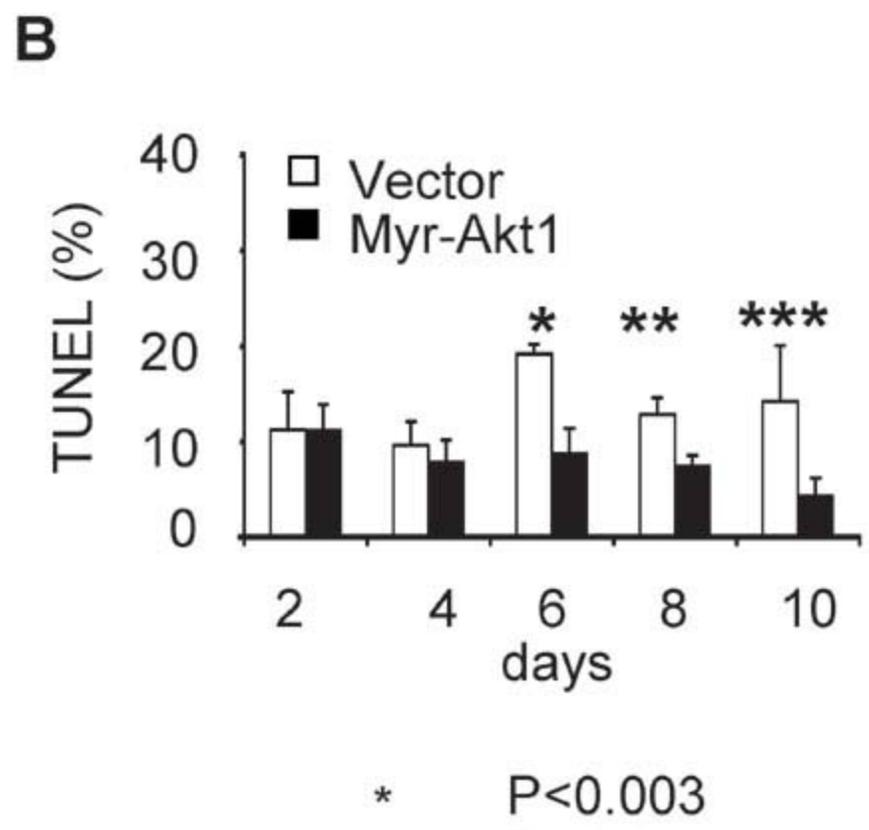
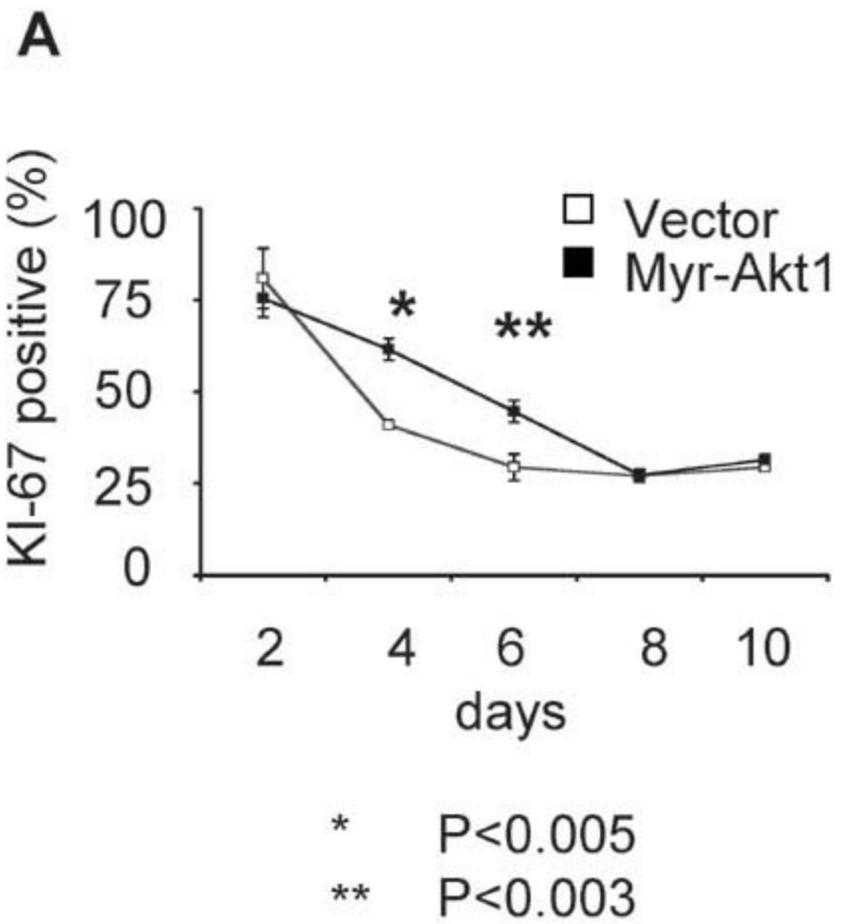
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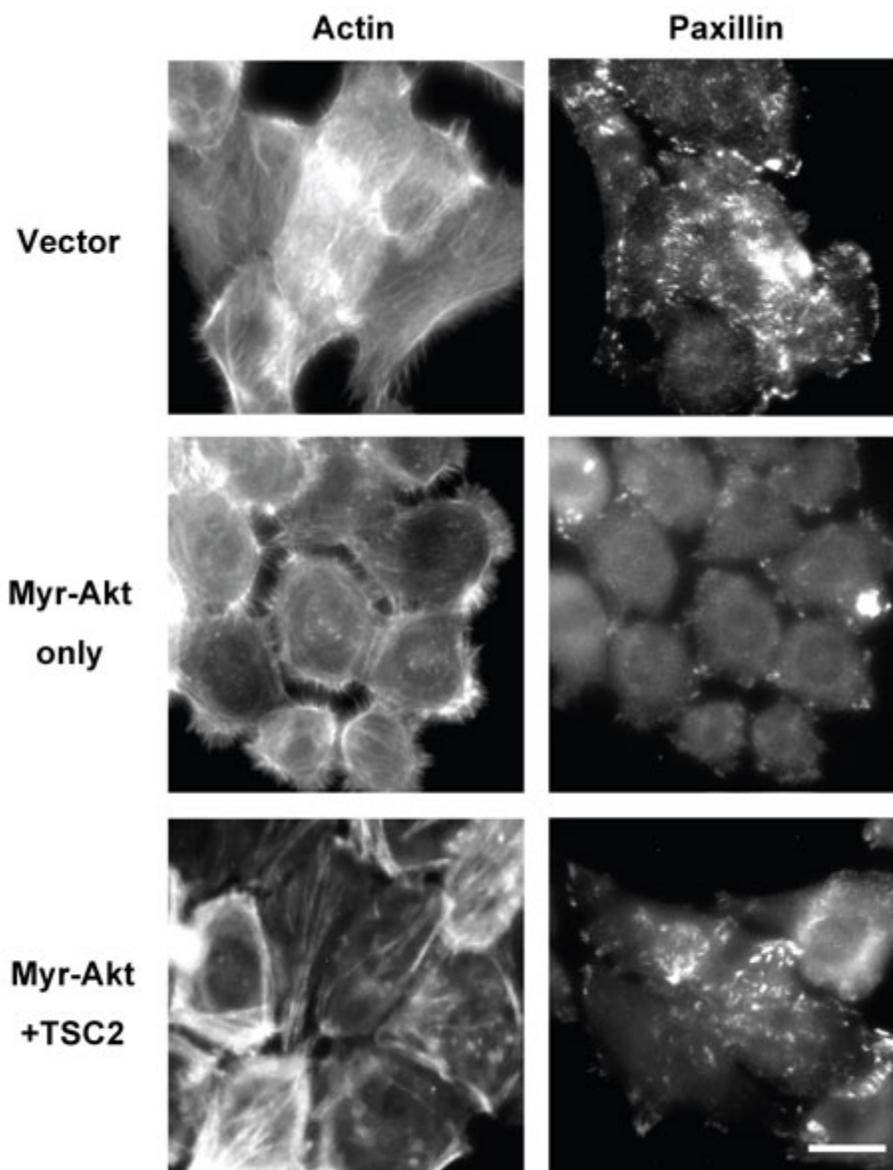


**Fig. 6.** Effect of myr-Akt1 expression on protein phosphorylation. (A) Increased phosphorylation of Akt1 substrates in myr-Akt1 transfectants. (B) Specific phosphorylation of FKHR and p70S6K by myr-Akt1.





**Fig. 7.** Myr-Akt1 expression enhances cell proliferation and decreases apoptosis in cells grown in 3D IrECM. (A) myr-Akt1 significantly increased the percentage of Ki-67-positive cells at days 2 and 4. (B) myr-Akt1-expressing cells showed significantly decreased TUNEL staining at days 6, 8, and 10.



**Fig. 8.** Expression of TSC2 increases stress fibers and focal adhesions in cells expressing myr-Akt1. Actin stress fibers (*Left*) and paxillin staining of focal adhesions (*Right*) are decreased in myr-Akt1-expressing cells (*Middle*) as compared with vector-transformed cells (*Top*). Coexpression of TSC2 with myr-Akt1 (*Bottom*) reestablishes stress fibers and focal adhesions. (Scale bar, 20  $\mu$  m.)

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