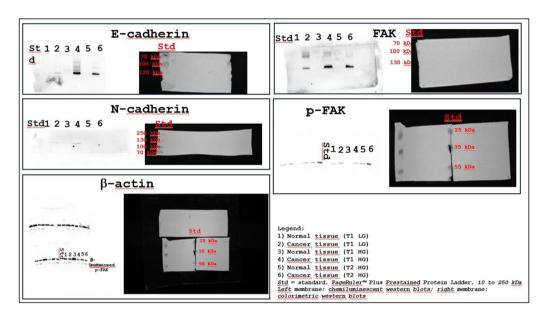




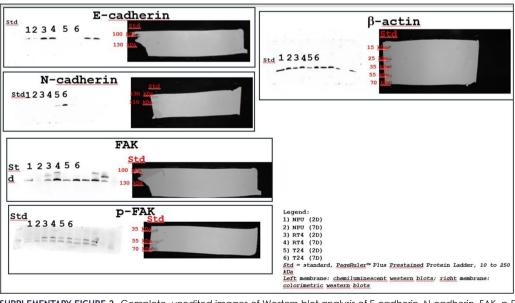
The role of focal adhesion kinase in bladder cancer: translation from in vitro to ex vivo human urothelial carcinomas

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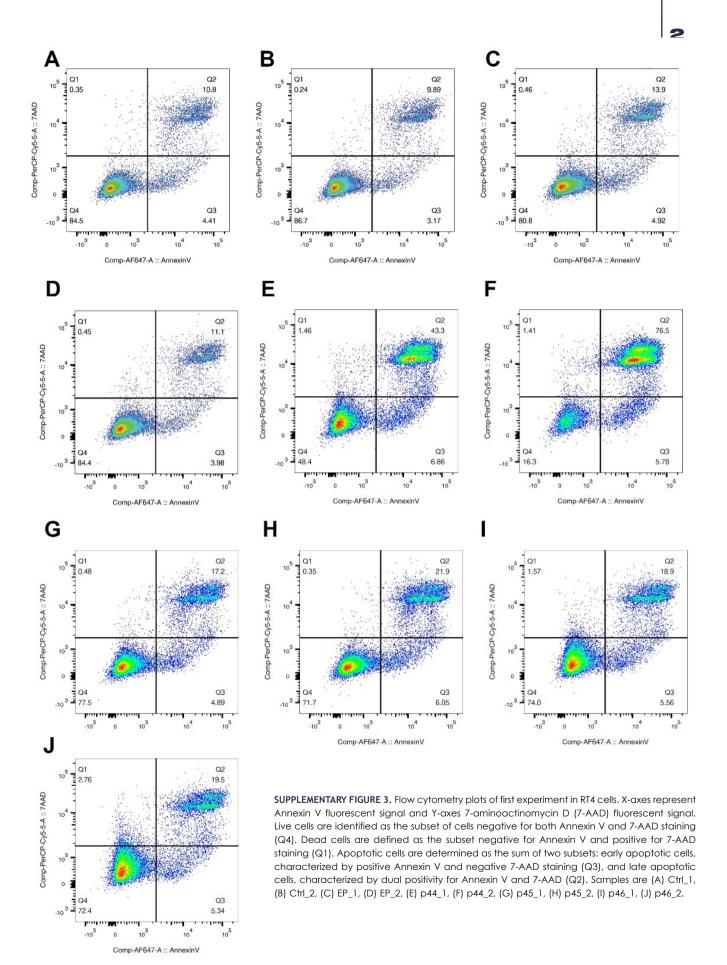
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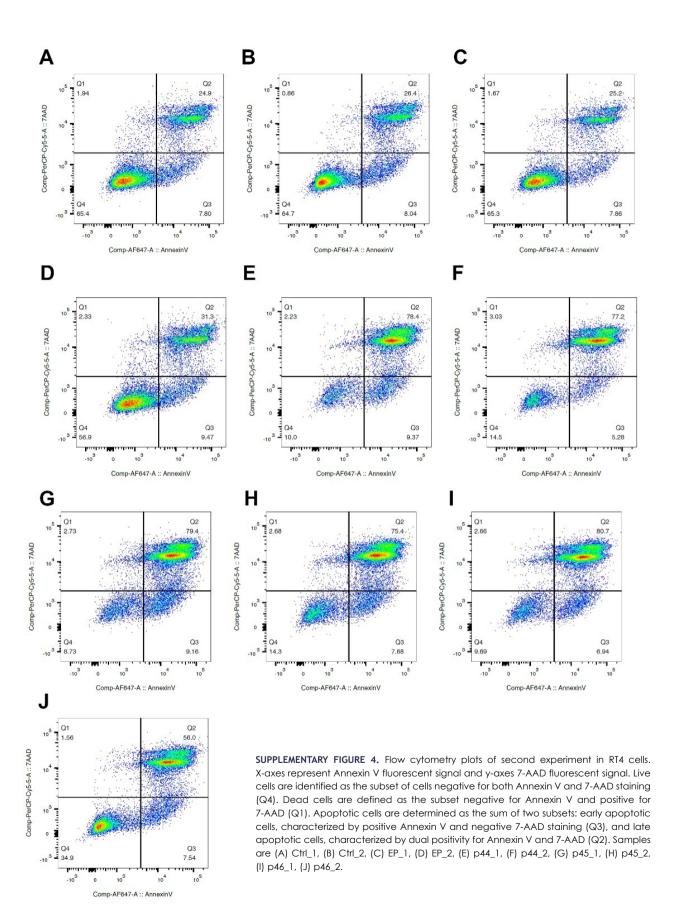


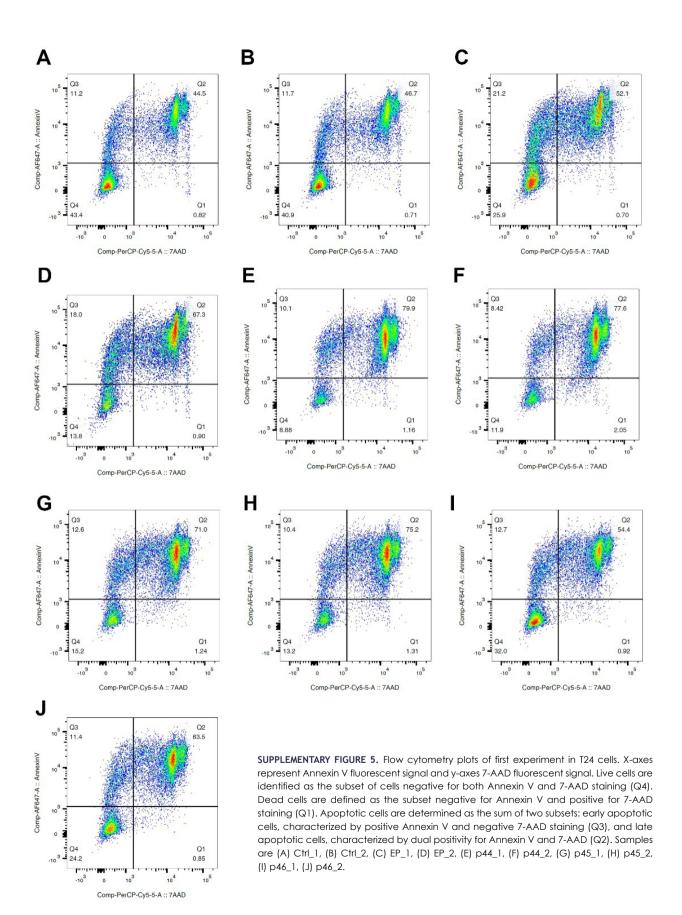
SUPPLEMENTARY FIGURE 1. Complete, unedited images of Western blot analysis of E-cadherin, N-cadherin, focal adhesion kinase (FAK), phosphorylated FAK (p-FAK), and β-actin in normal and cancerous tissues, provided as Supplementary images to Figure 2A. Results are shown for six samples: Normal tissue (T1 low-grade (LG)), Cancer tissue (T1 LG), Normal tissue (T1 high-grade (HG)), Cancer tissue (T1 HG), Normal tissue (T2 HG), and Cancer tissue (T2 HG). The left panels display chemiluminescent Western blots, while the right panels show colorimetric Western blots. A PageRulerTM Plus Prestained Protein Ladder (10 to 250 kDa) was used as the molecular weight reference, with molecular weight markers highlighted in red.

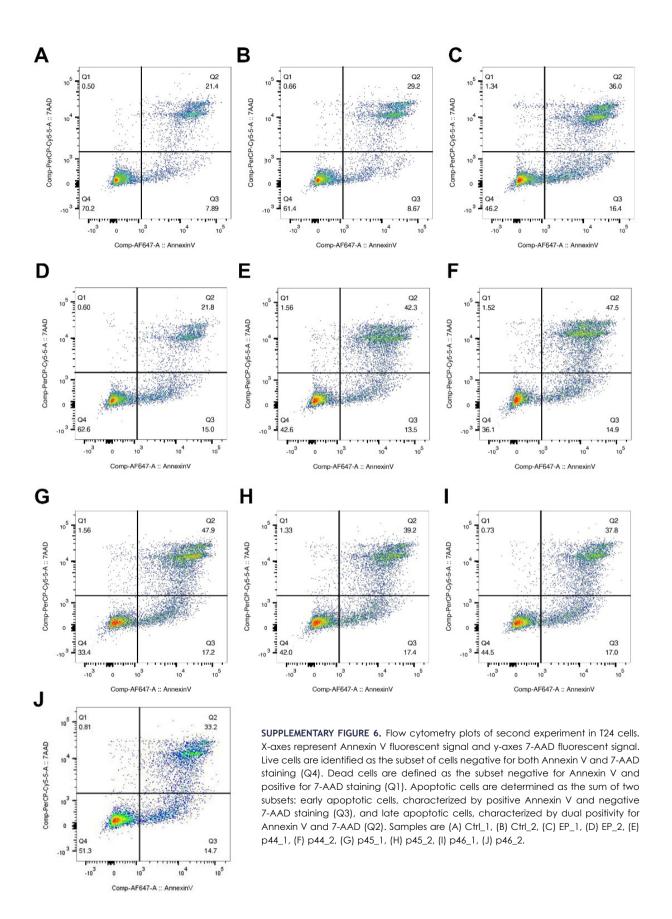


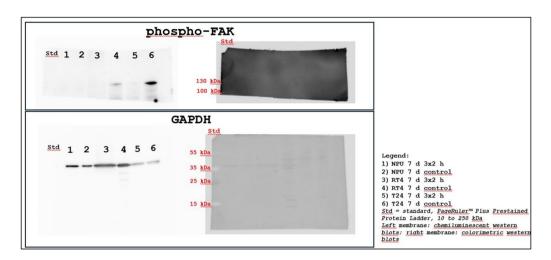
SUPPLEMENTARY FIGURE 2. Complete, unedited images of Western blot analysis of E-cadherin, N-cadherin, FAK, p-FAK, and β-actin in normal porcine urothelial (NPU), RT4, and T24 cells (2-days and 7-days), provided as supplementary images to Figure 3B. The left panels display chemiluminescent Western blots, while the right panels show colorimetric Western blots. A PageRulerTM Plus Prestained Protein Ladder (10 to 250 kDa) was used as the molecular weight reference, with molecular weight markers highlighted in red.



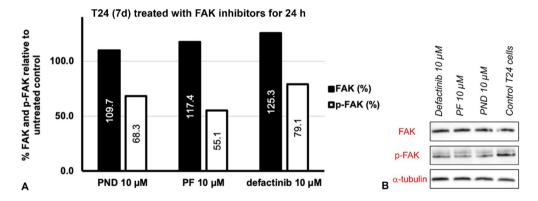




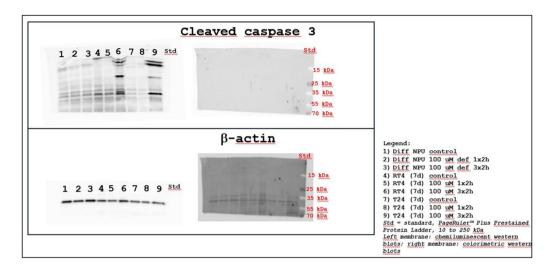




SUPPLEMENTARY FIGURE 7. Complete, unedited images of Western blot analysis of p-FAK and glyceraldehyde -3-phosphate dehydrogenase (GAPDH) in NPU, RT4, and T24 cells (7D, 3×2 h treatment vs. control), provided as supplementary images to Figure 6C. The left panels display chemiluminescent Western blots, while the right panels show colorimetric Western blots. A PageRuler™ Plus Prestained Protein Ladder (10 to 250 kDa) was used as the molecular weight reference, with molecular weight markers highlighted in red.



SUPPLEMENTARY FIGURE 8. (A) The graph illustrates the effect of FAK inhibitors on FAK and p-FAK expression in the T24 cell line after 7 days (7d) of cultivation and 24-hour treatment with FAK inhibitors. The y-axis represents the percentage of FAK and p-FAK expression relative to untreated control cells. Black bars indicate total FAK levels (%), while white bars represent p-FAK levels (%). (B) Western blot (WB) results further demonstrate the effect of FAK inhibitors on FAK and p-FAK expression. WB analysis was performed on T24 cells treated for 24 hours (on day 7 of cultivation) with FAK inhibitors or cultured in medium alone (control). The results confirm a reduction in p-FAK levels following treatment with FAK inhibitors. This analysis is based on one biological replicate with two technical replicates. The tested compounds included PND-1186 (PND, 10 μ M), PF-573228 (PF, 10 μ M), and defactinib (10 μ M). The data suggest that FAK inhibitors reduce p-FAK levels, while total FAK levels remain unchanged or slightly increased.



SUPPLEMENTARY FIGURE 9. Complete, unedited images of Western blot analysis of cleaved caspase-3 and β -actin in NPU, RT4, and T24 cells (control vs. 100 μ M defactinib treatment: 1×2 h and 3×2 h), provided as supplementary images to Figure 7C. The left panels display chemiluminescent Western blots, while the right panels show colorimetric Western blots. A PageRulerTM Plus Prestained Protein Ladder (10 to 250 kDa) was used as the molecular weight reference, with molecular weight markers highlighted in red.