

Figure 1

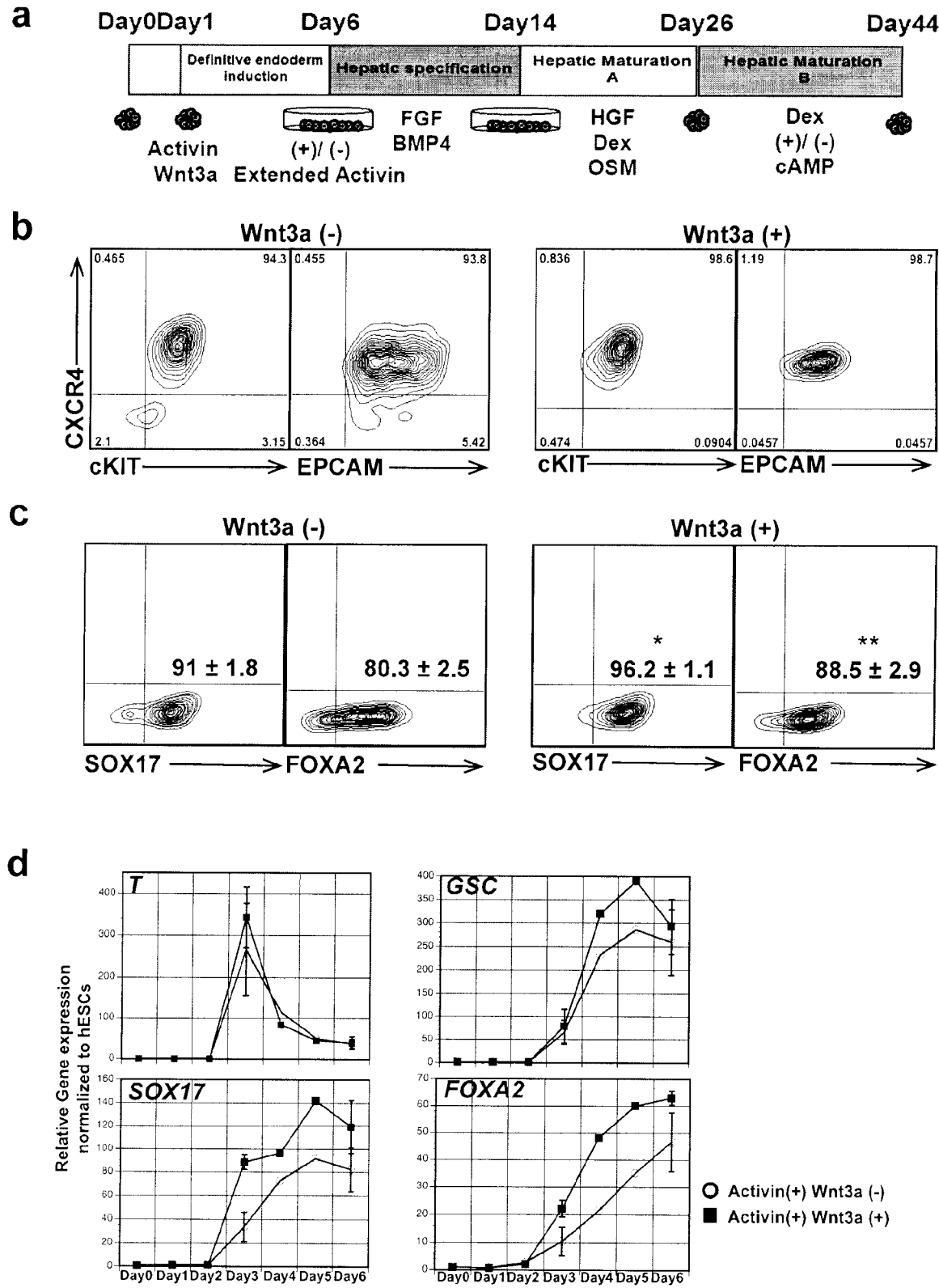


Figure 1 (continued)

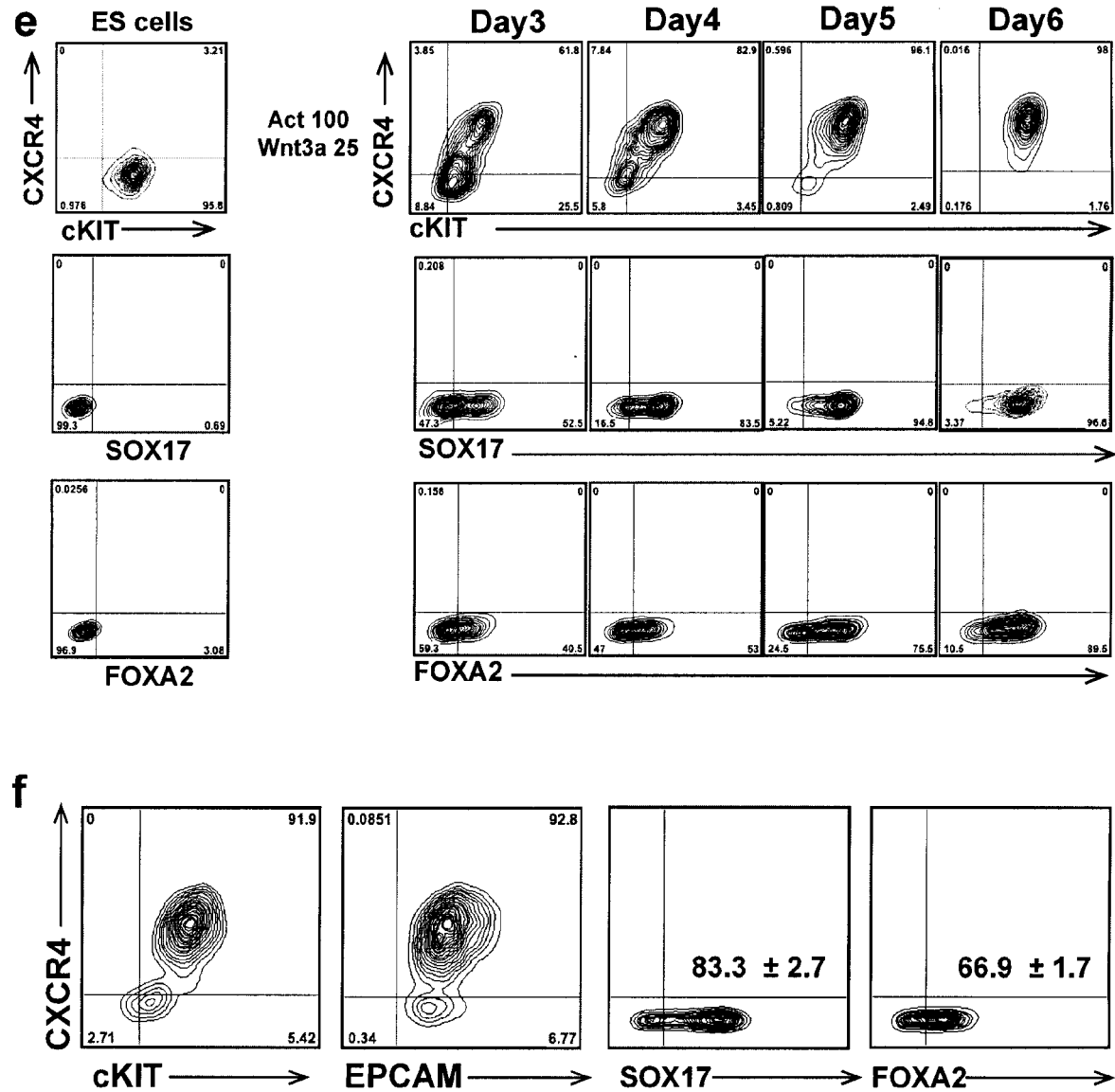


Figure 2

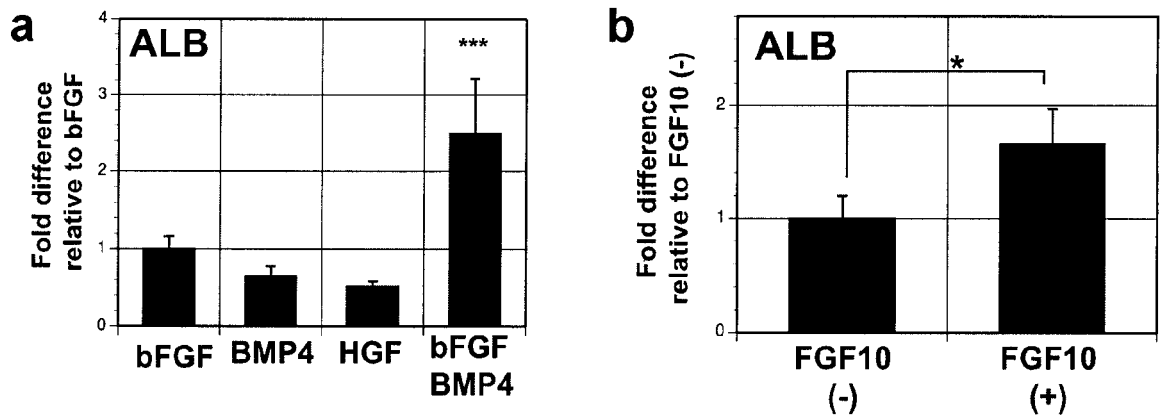


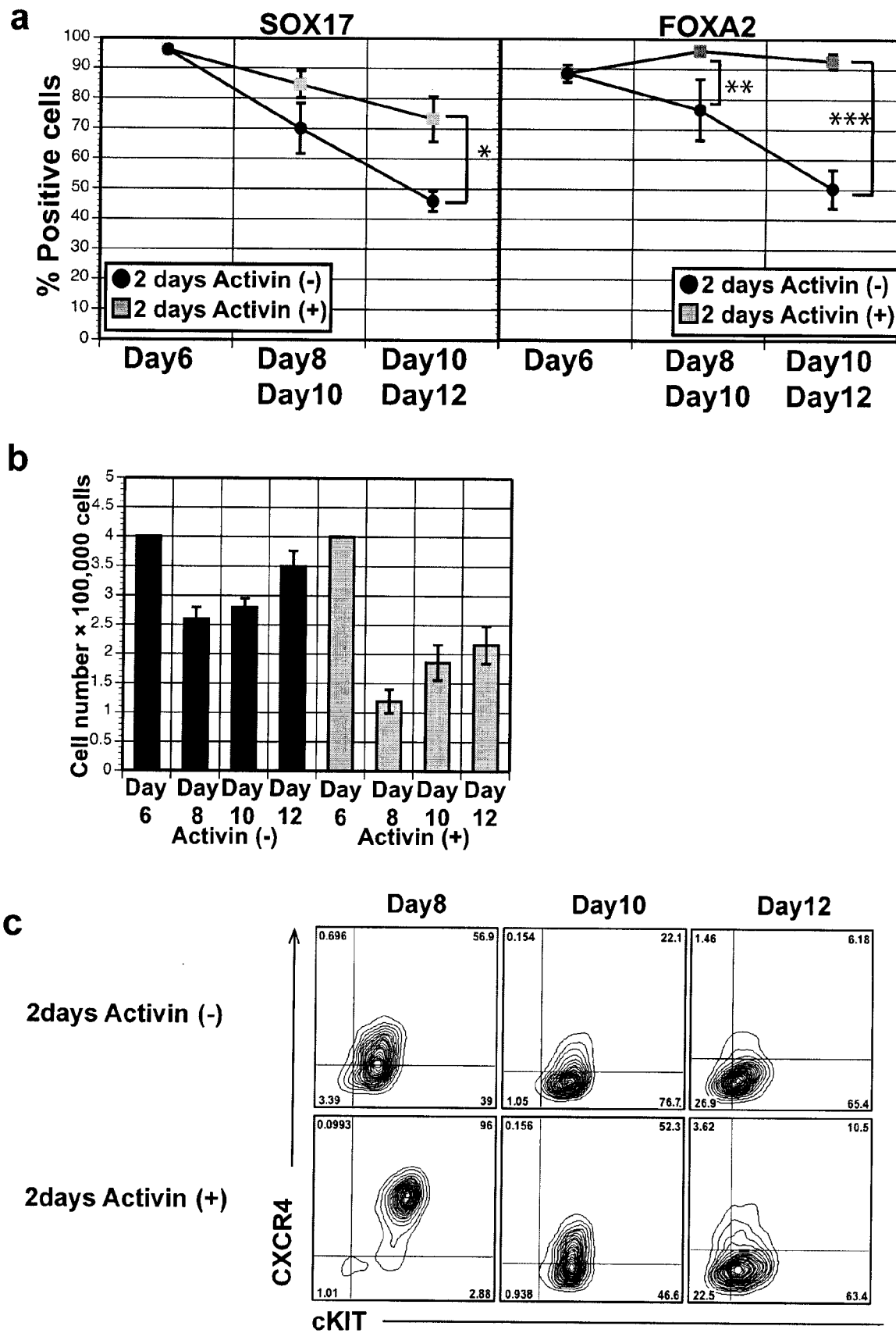
Figure 3

Figure 3 (continued)

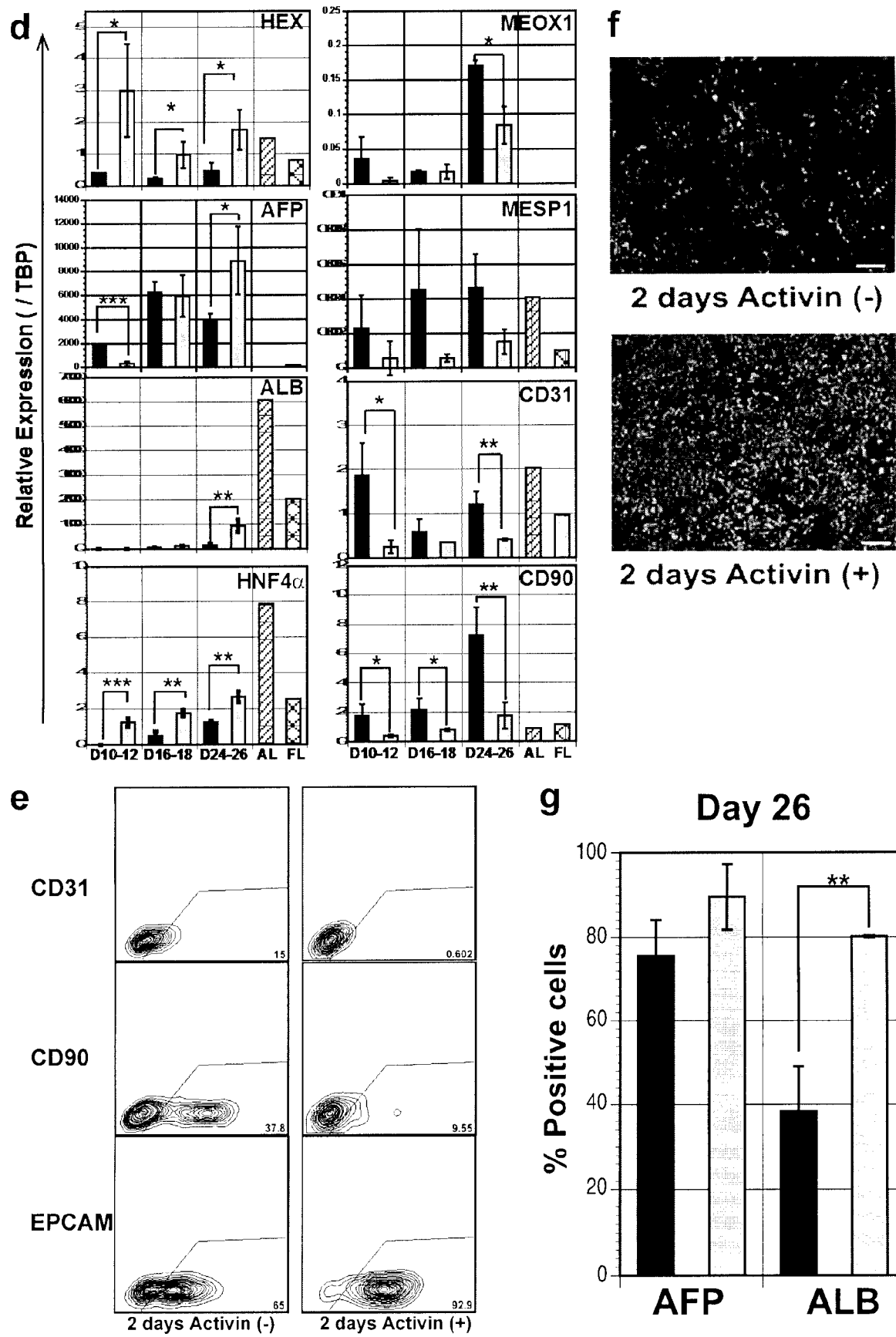


Figure 4

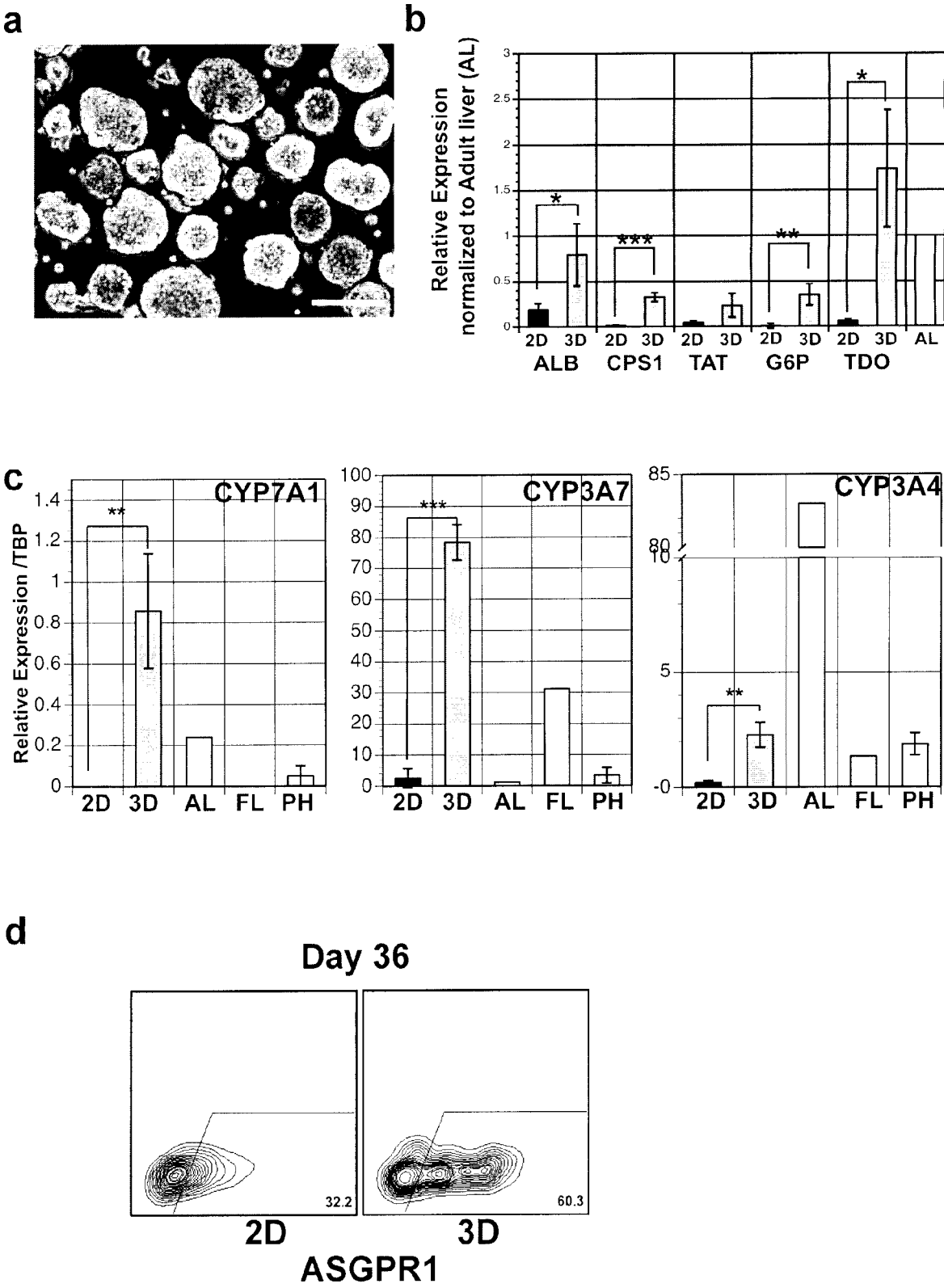


Figure 5

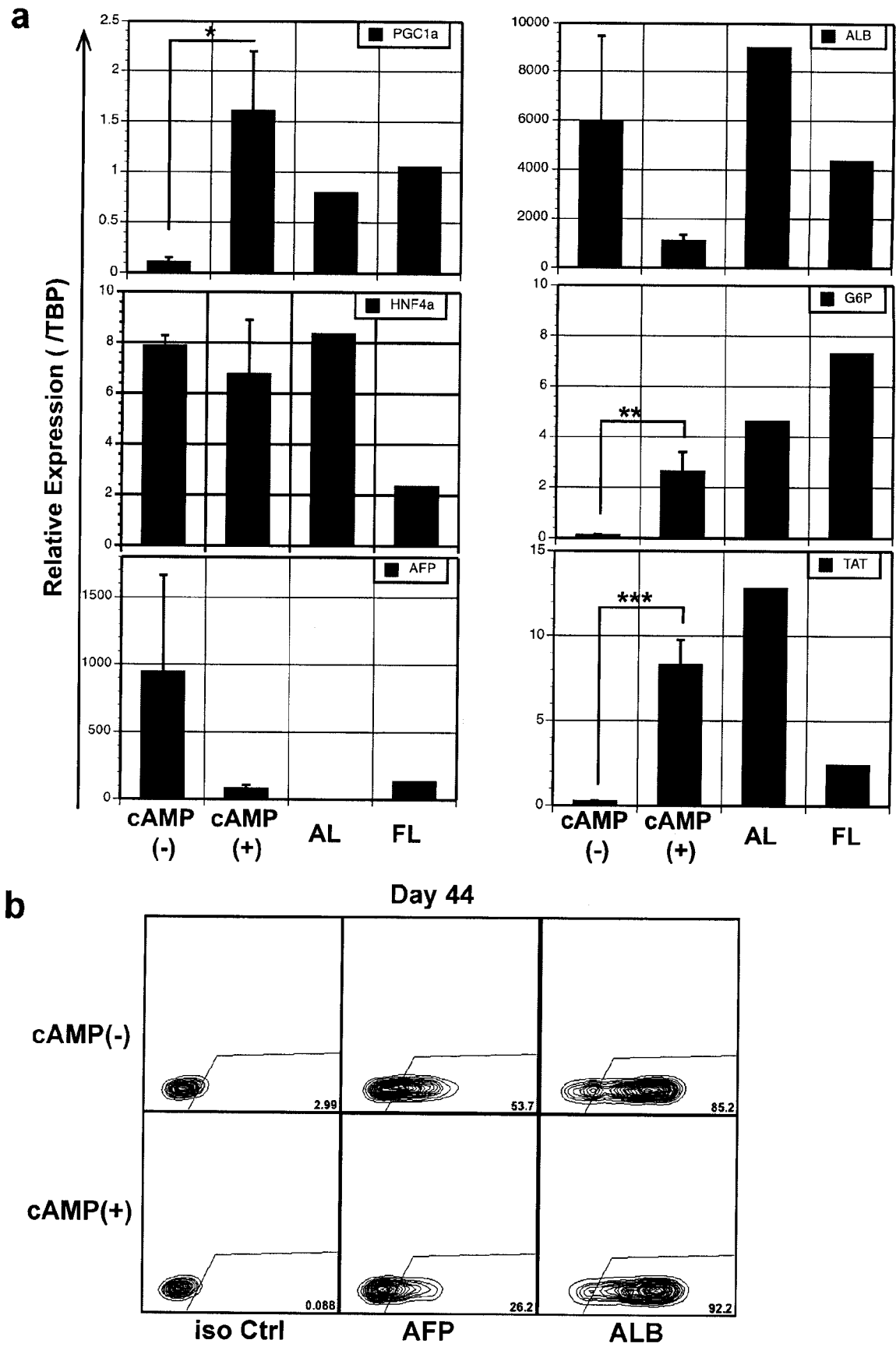
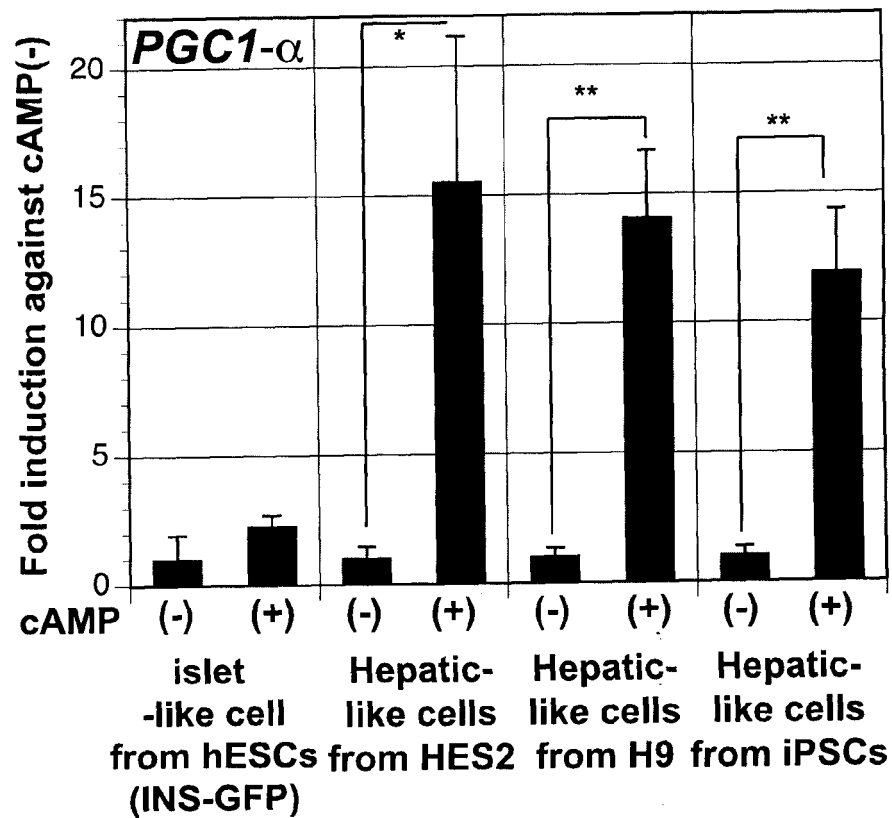


Figure 5 (continued)

c



d

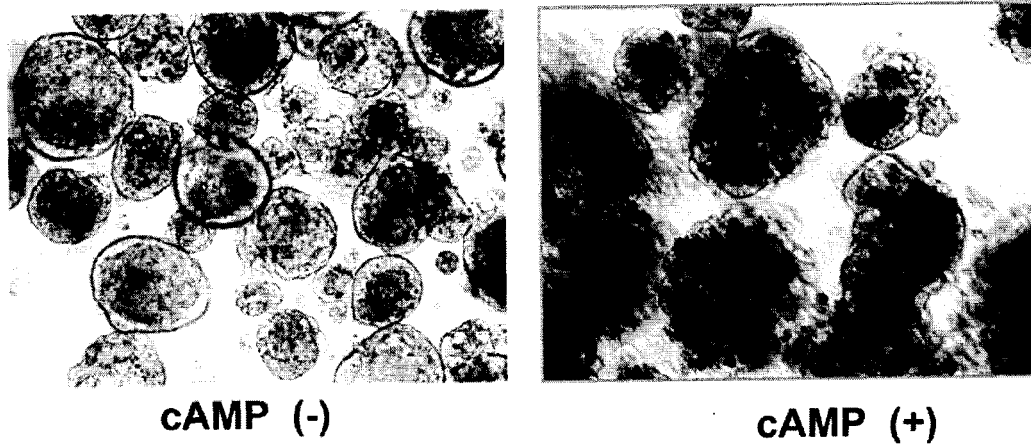


Figure 6

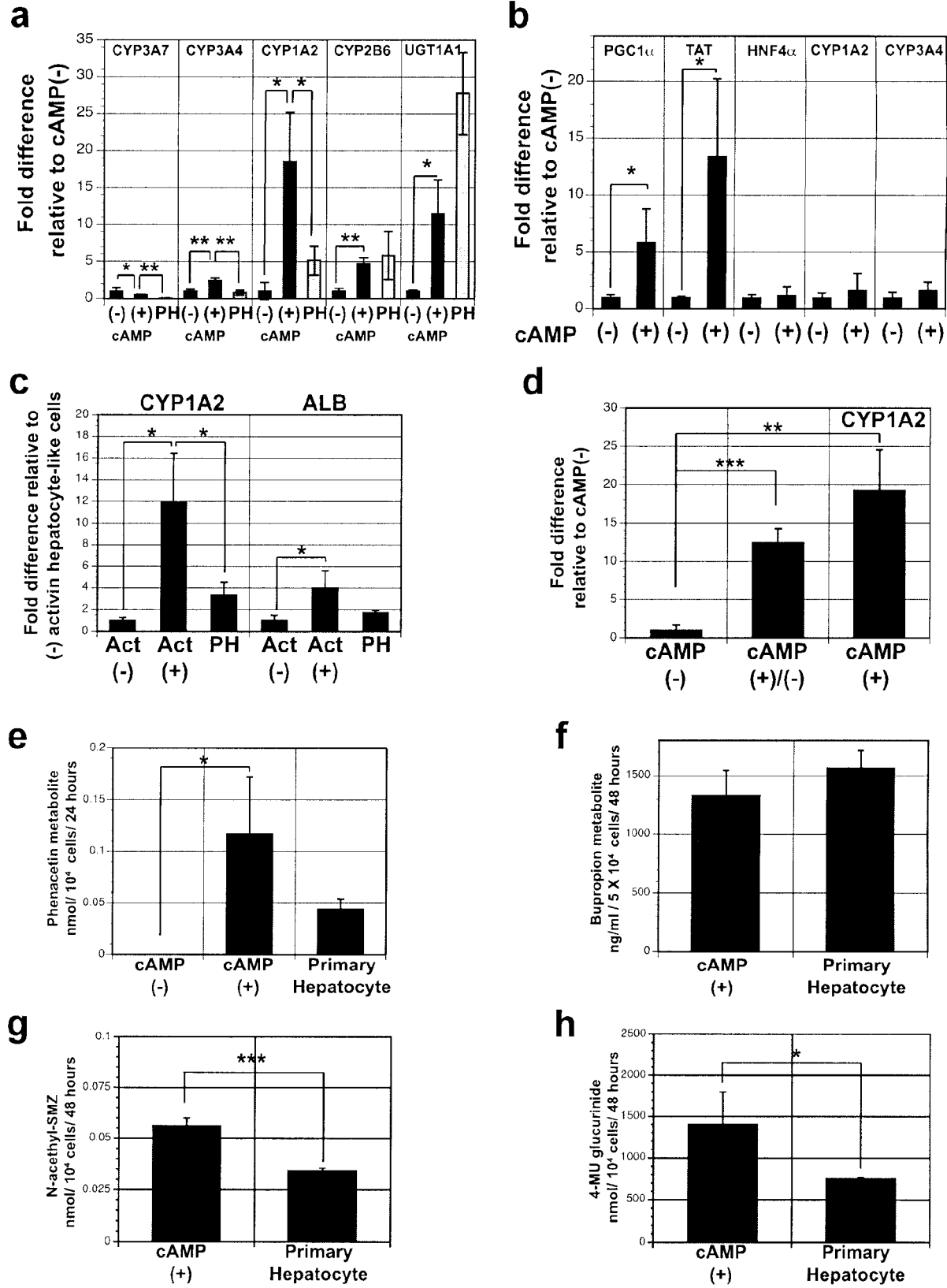


Figure 7

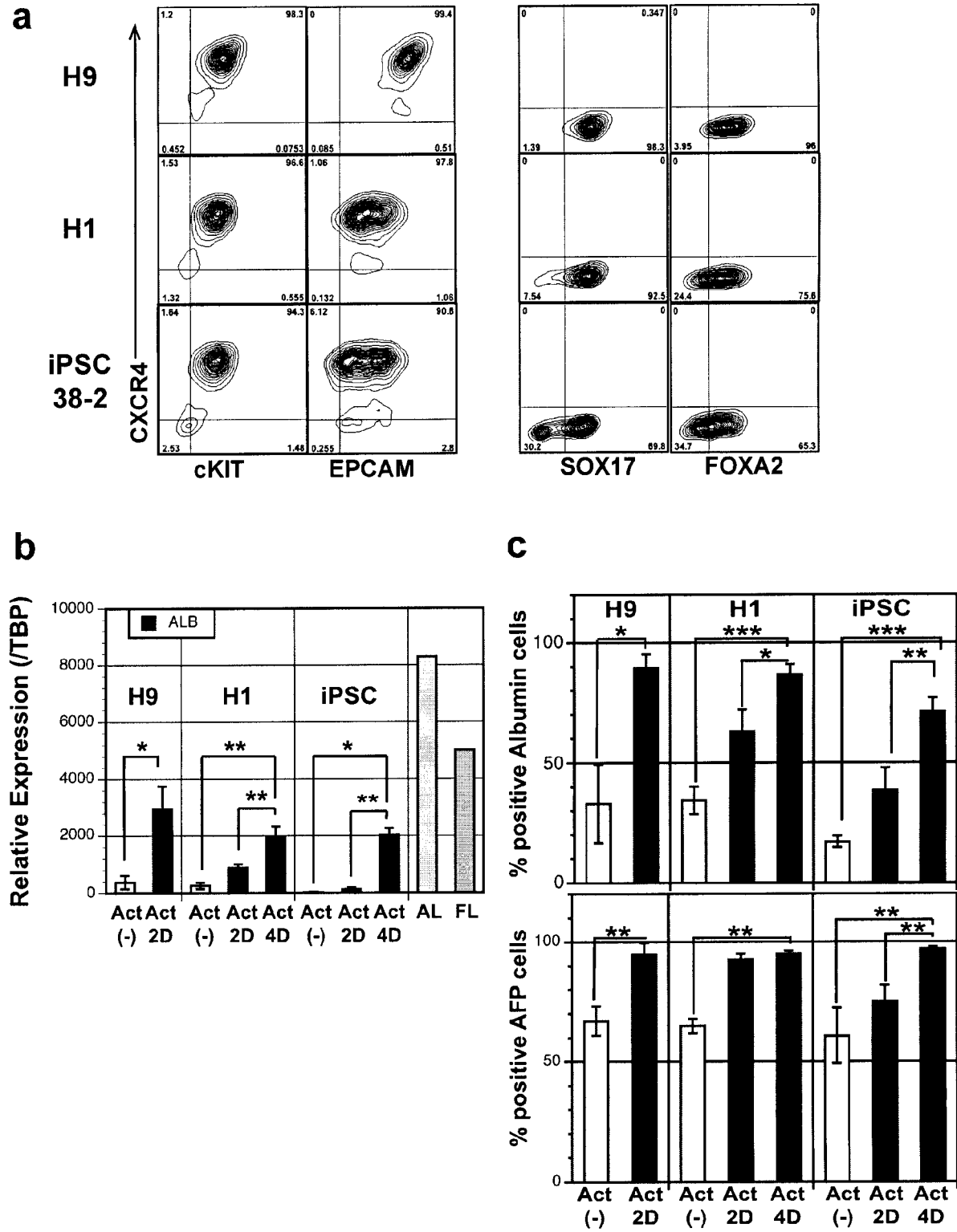
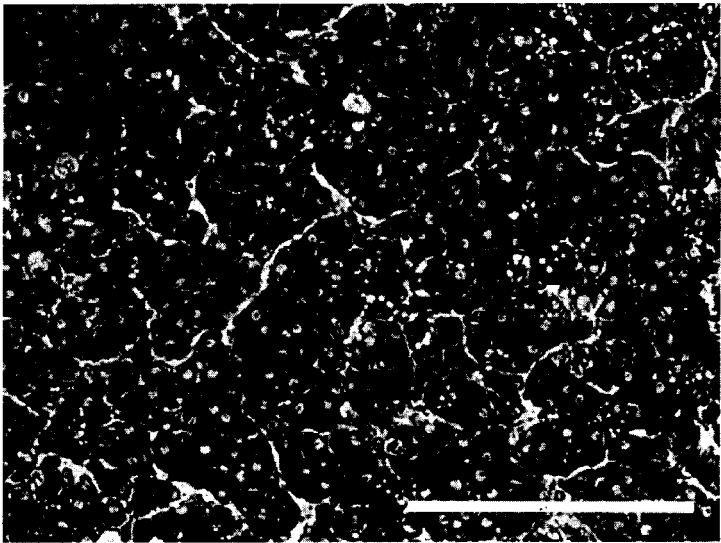


Figure 7 (continued)

d



e

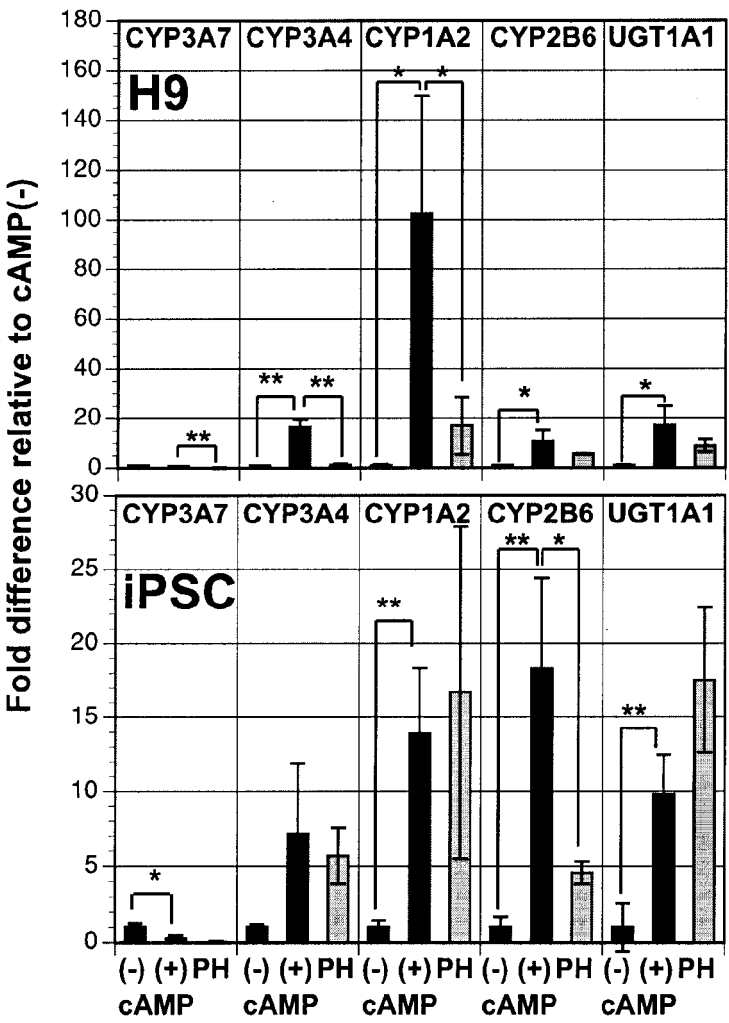


Figure 8

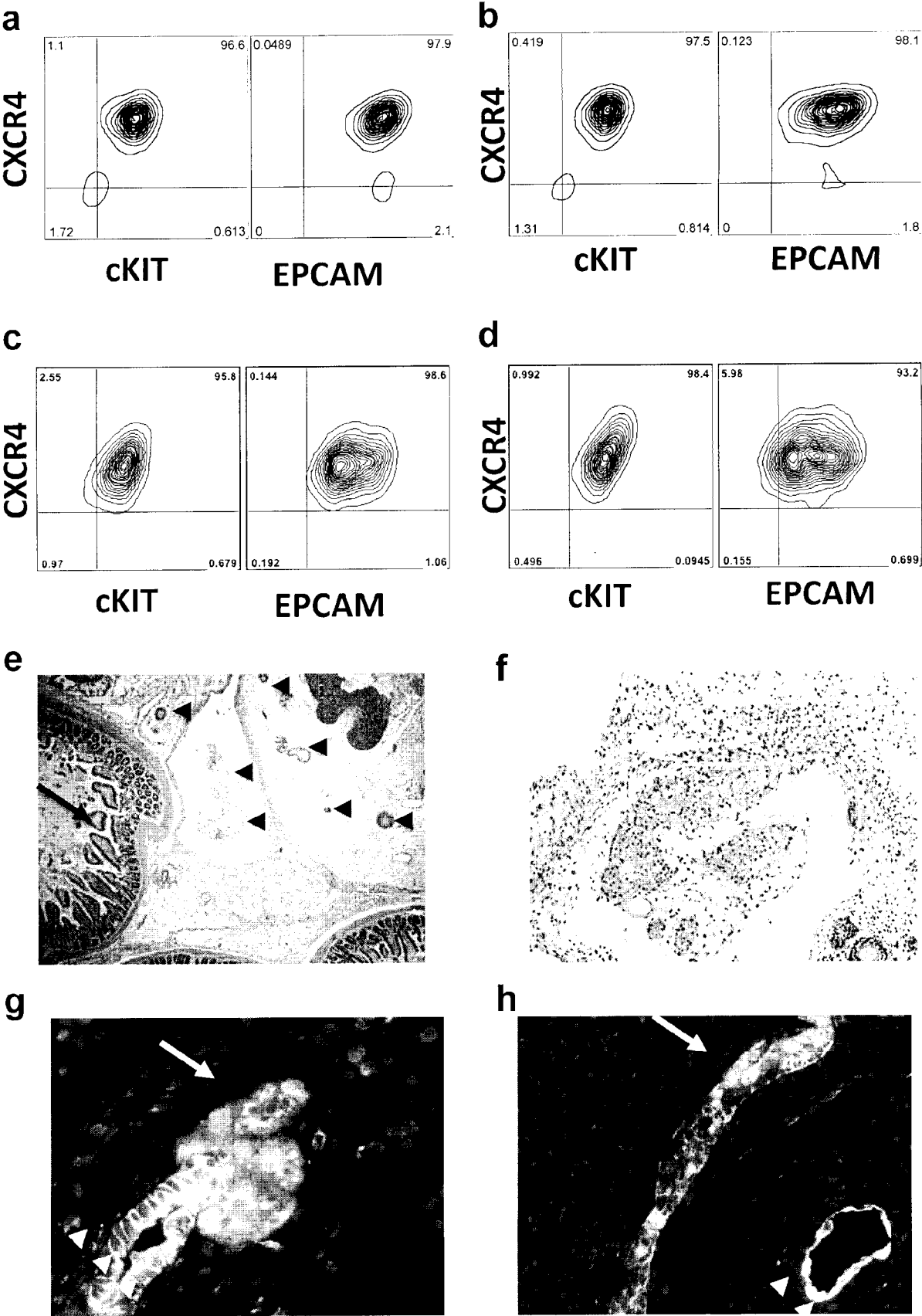


Figure 9

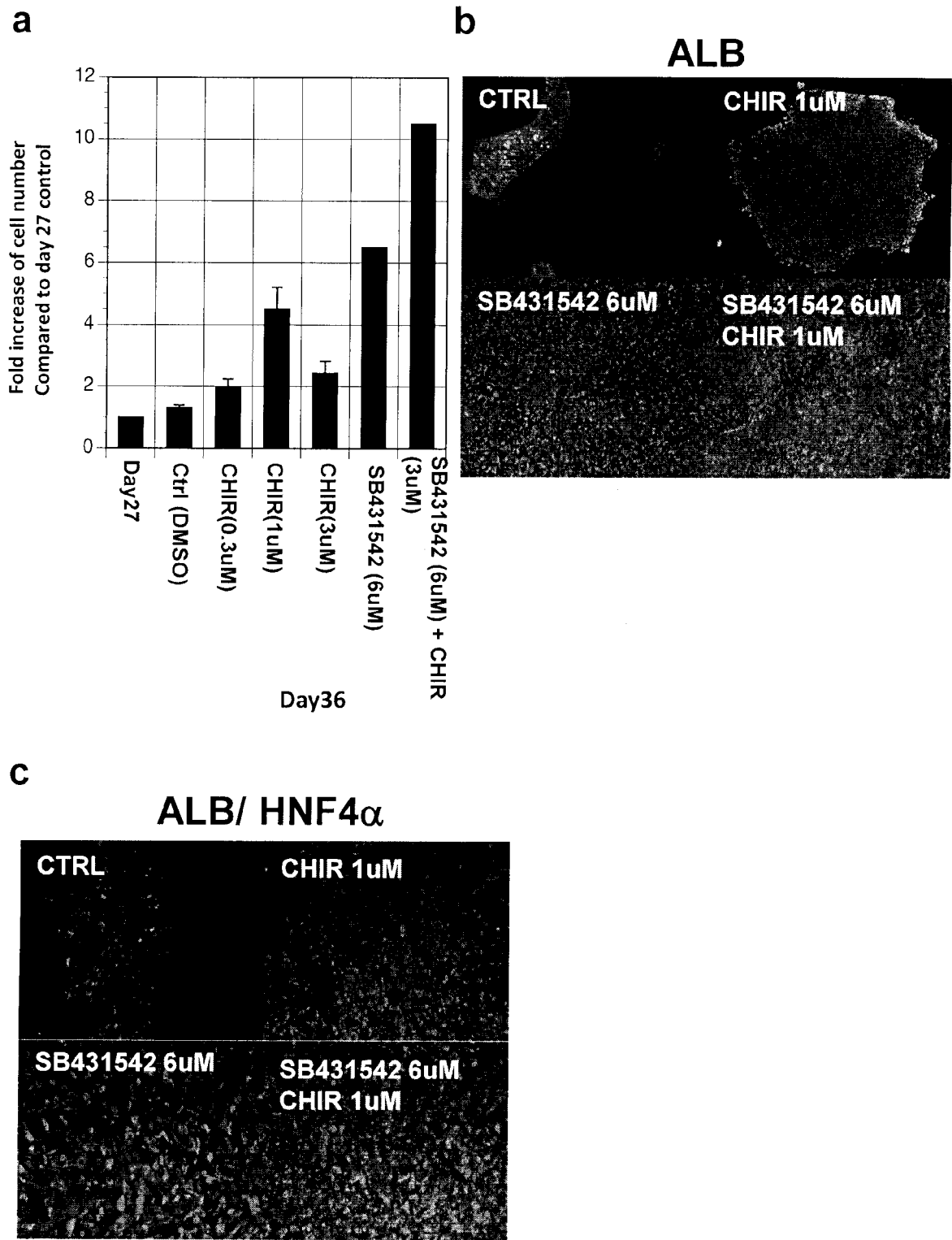
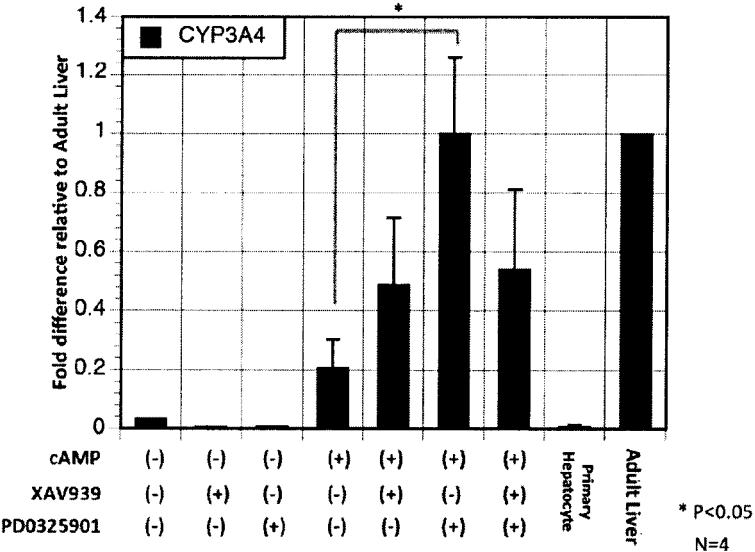
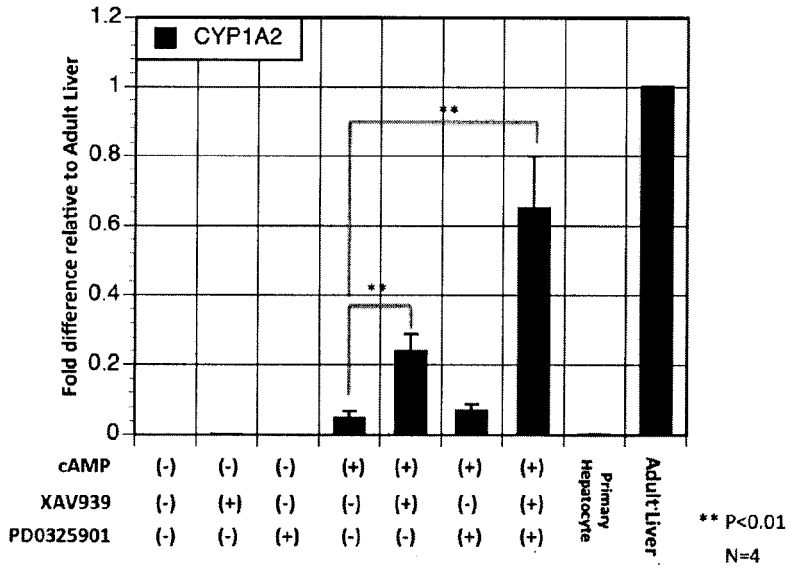


Figure 9 (continued)

d



e



f

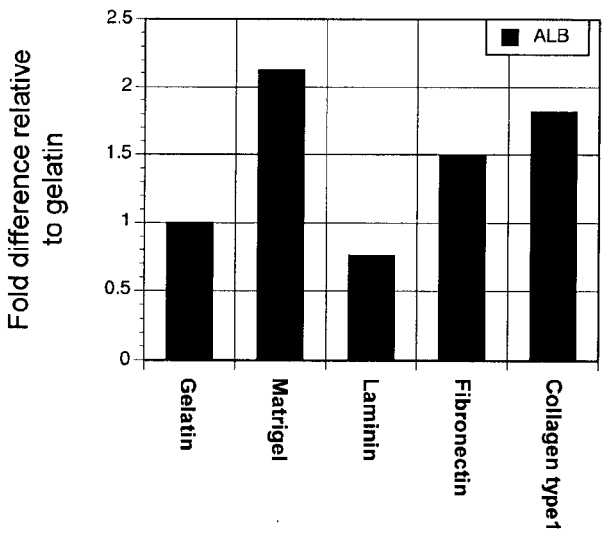


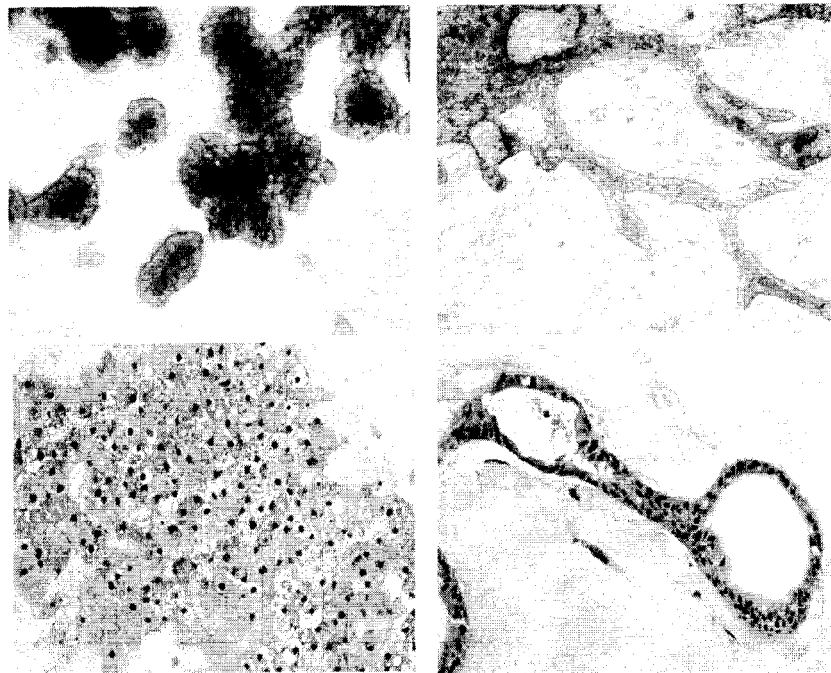
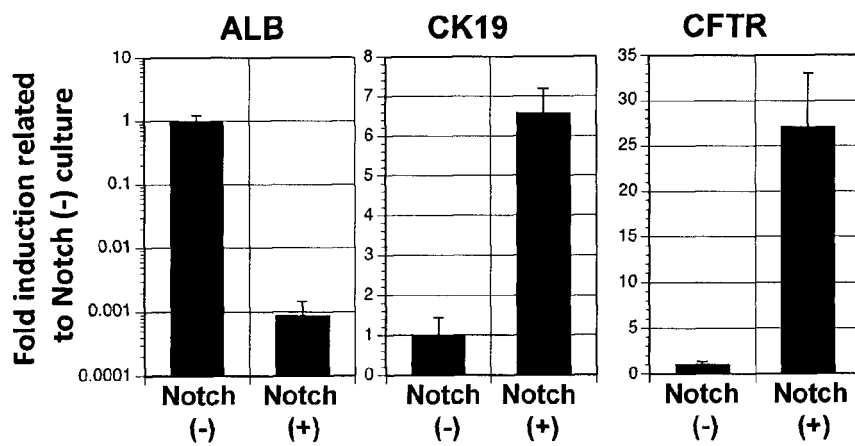
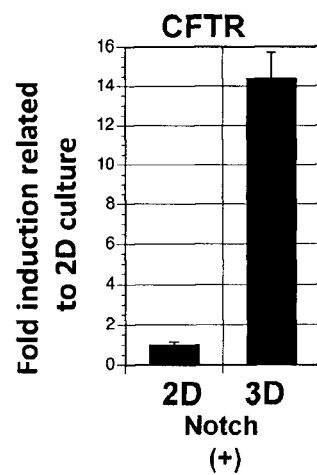
Figure 10**a****3D gel culture
with OP9 delta****Hepatocyte condition
Notch Inhibition
GSI 10 μ M(+)****Cholangiocyte
Notch stimulation
GSI 10 μ M(-)****b****c**

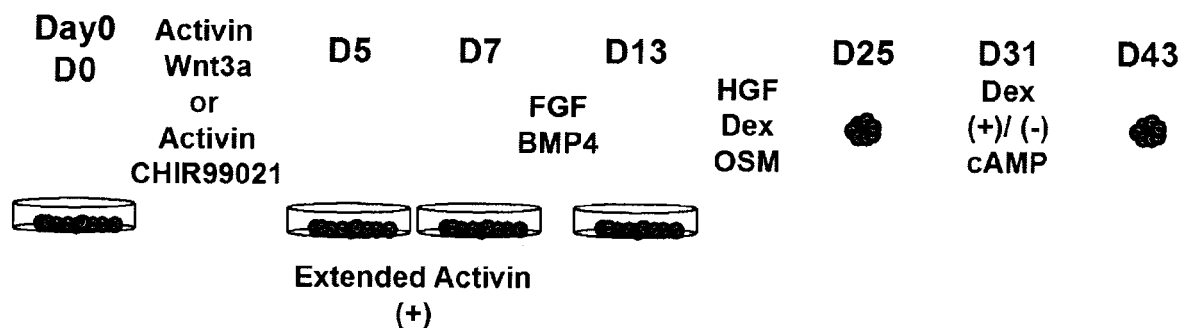
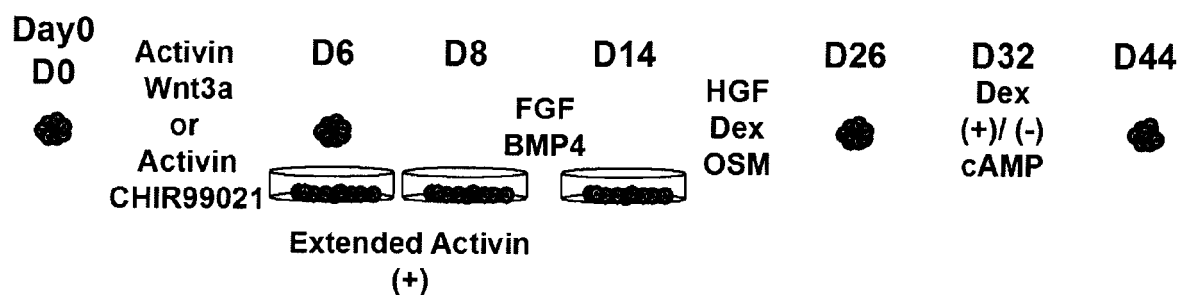
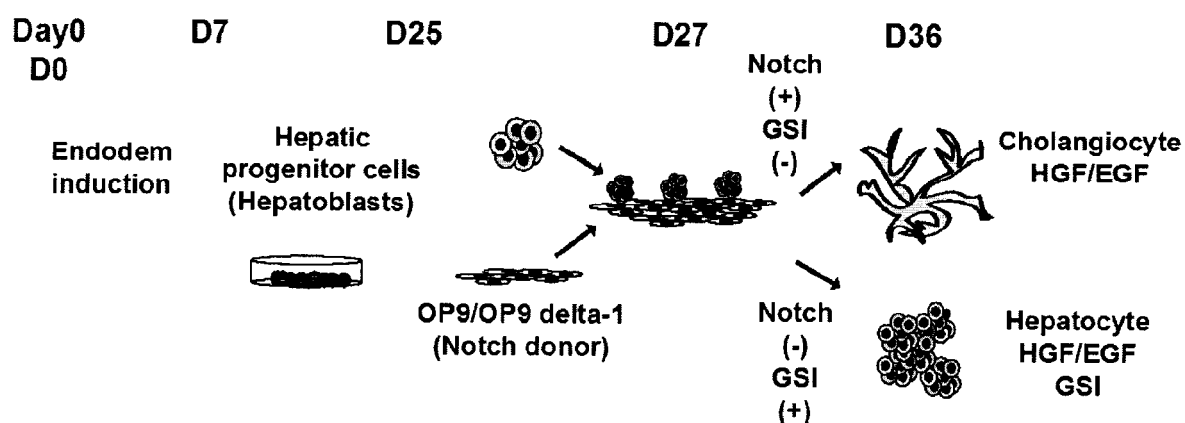
Figure 11**a Monolayer Induction****b Embryoid Bodies (EBs) Induction****c Generation of Cholangiocyte**

Figure 12

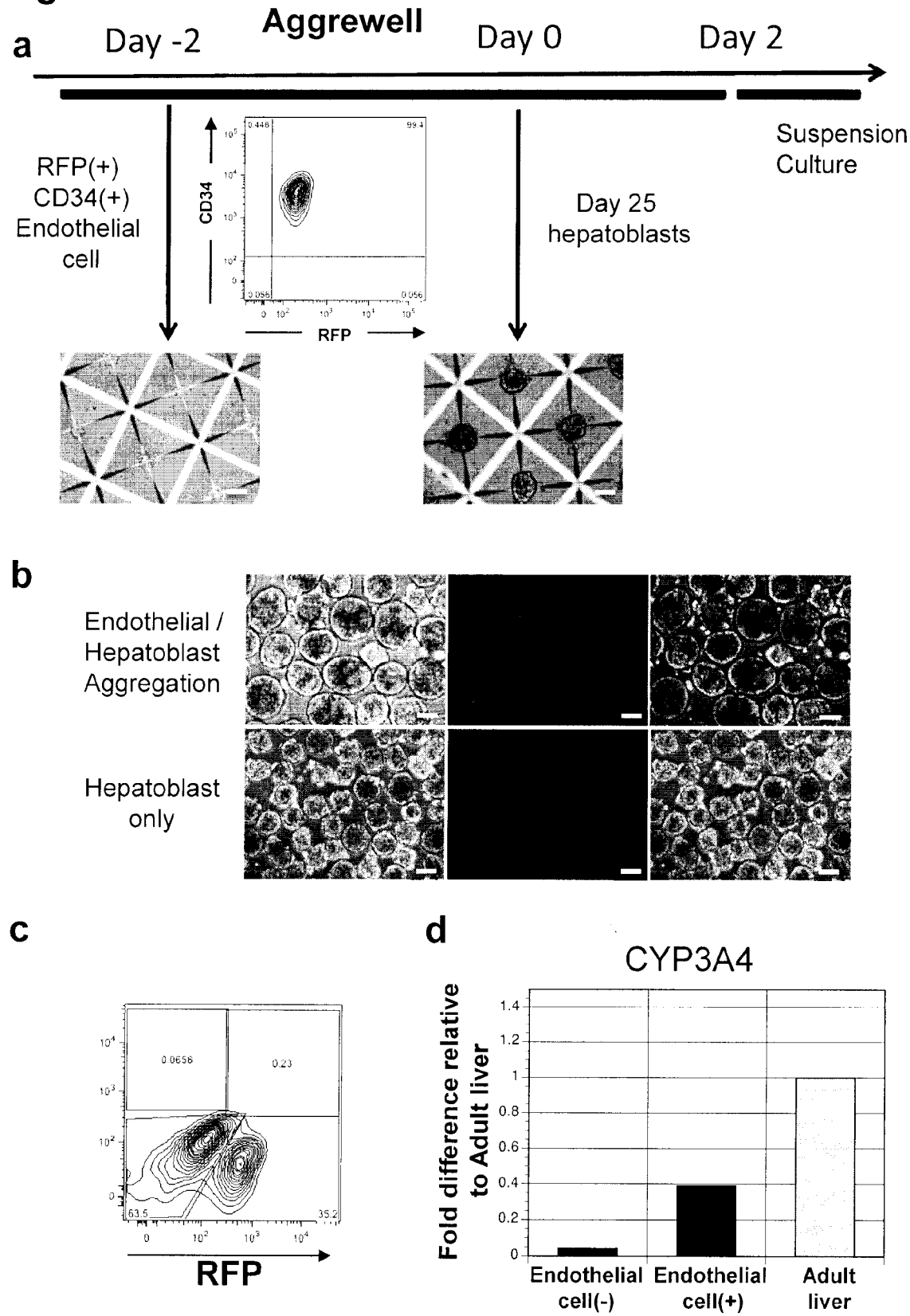


Figure 13

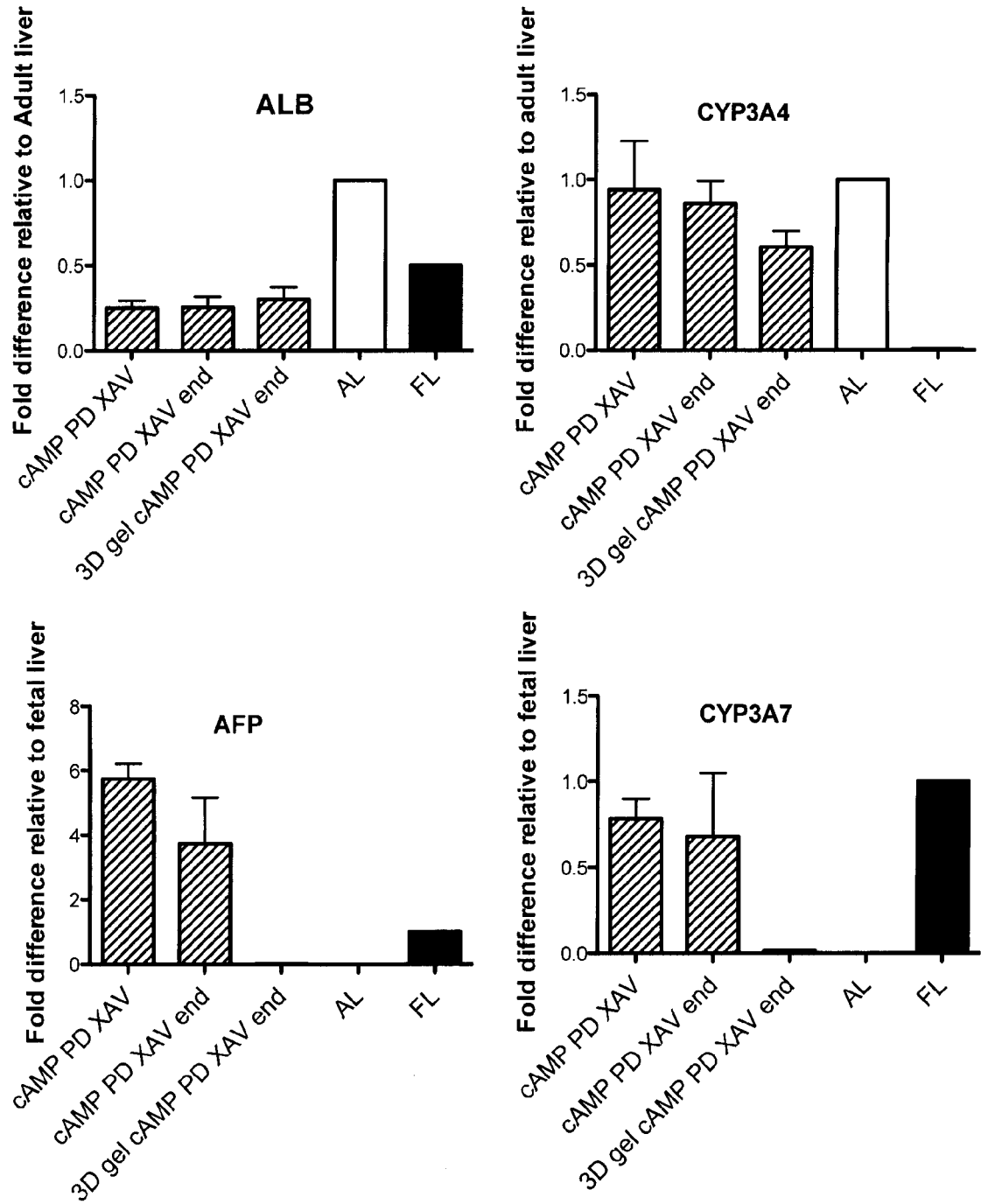


Figure 14

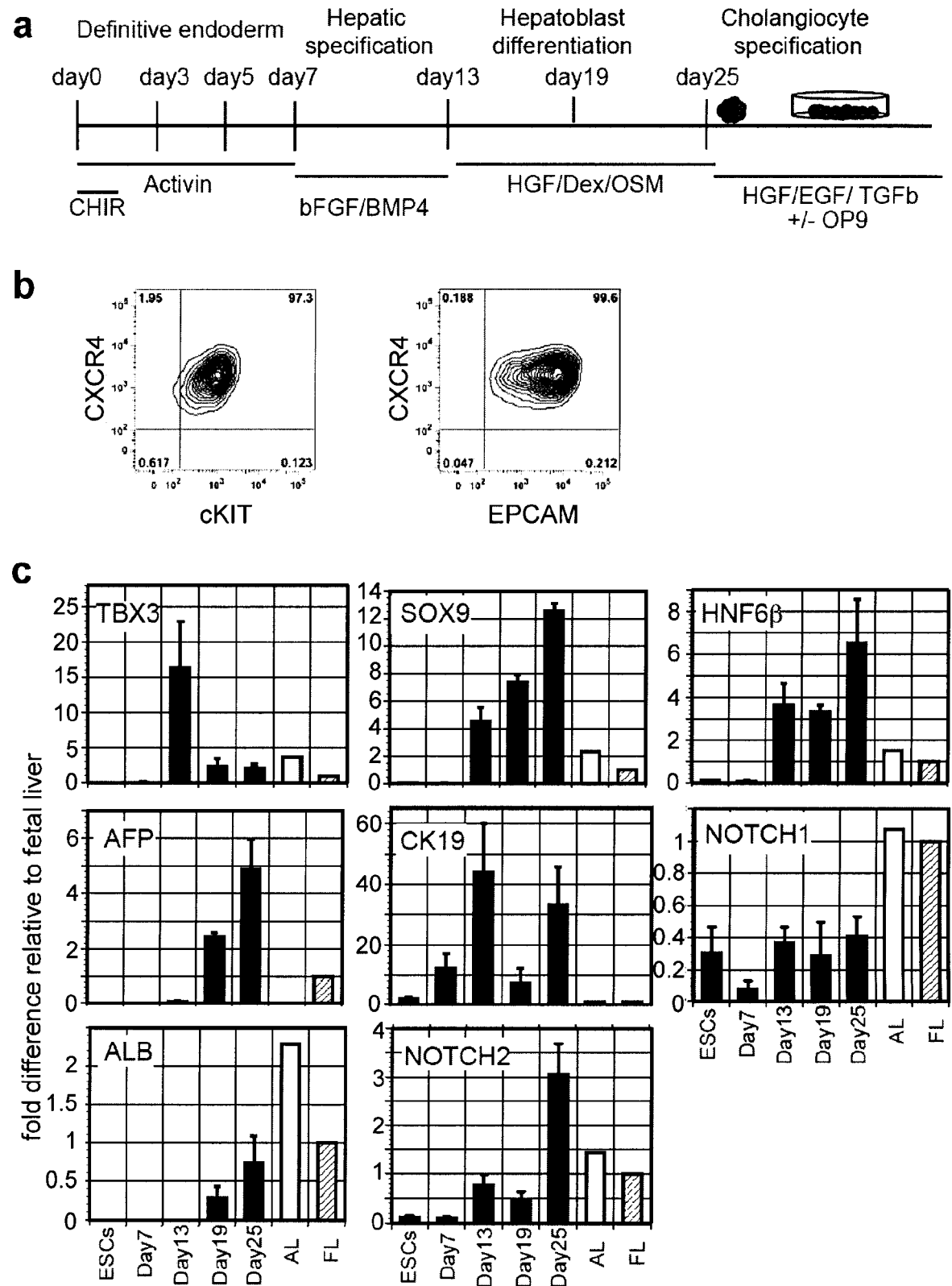


Figure 15

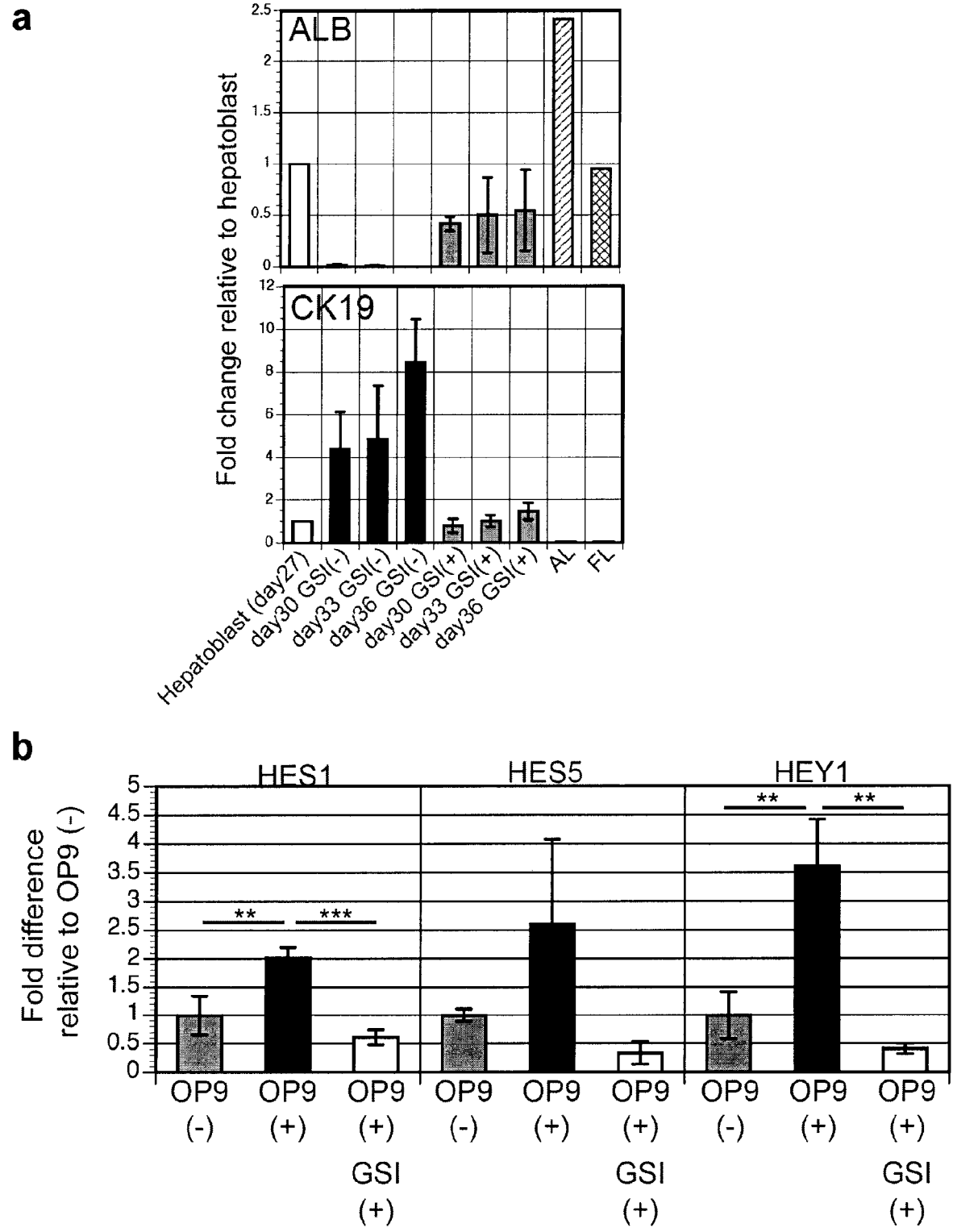


Figure 16

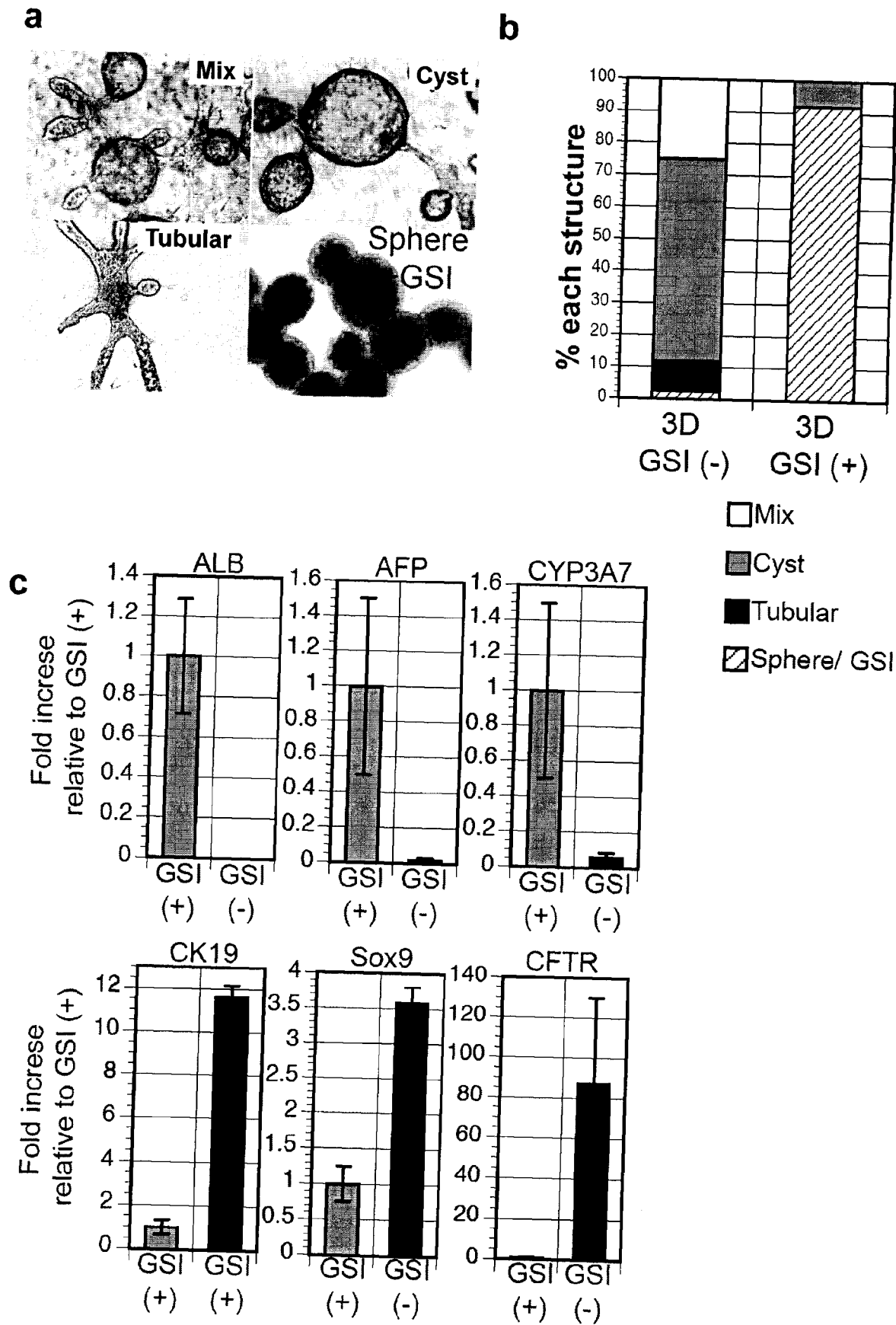


Figure 17

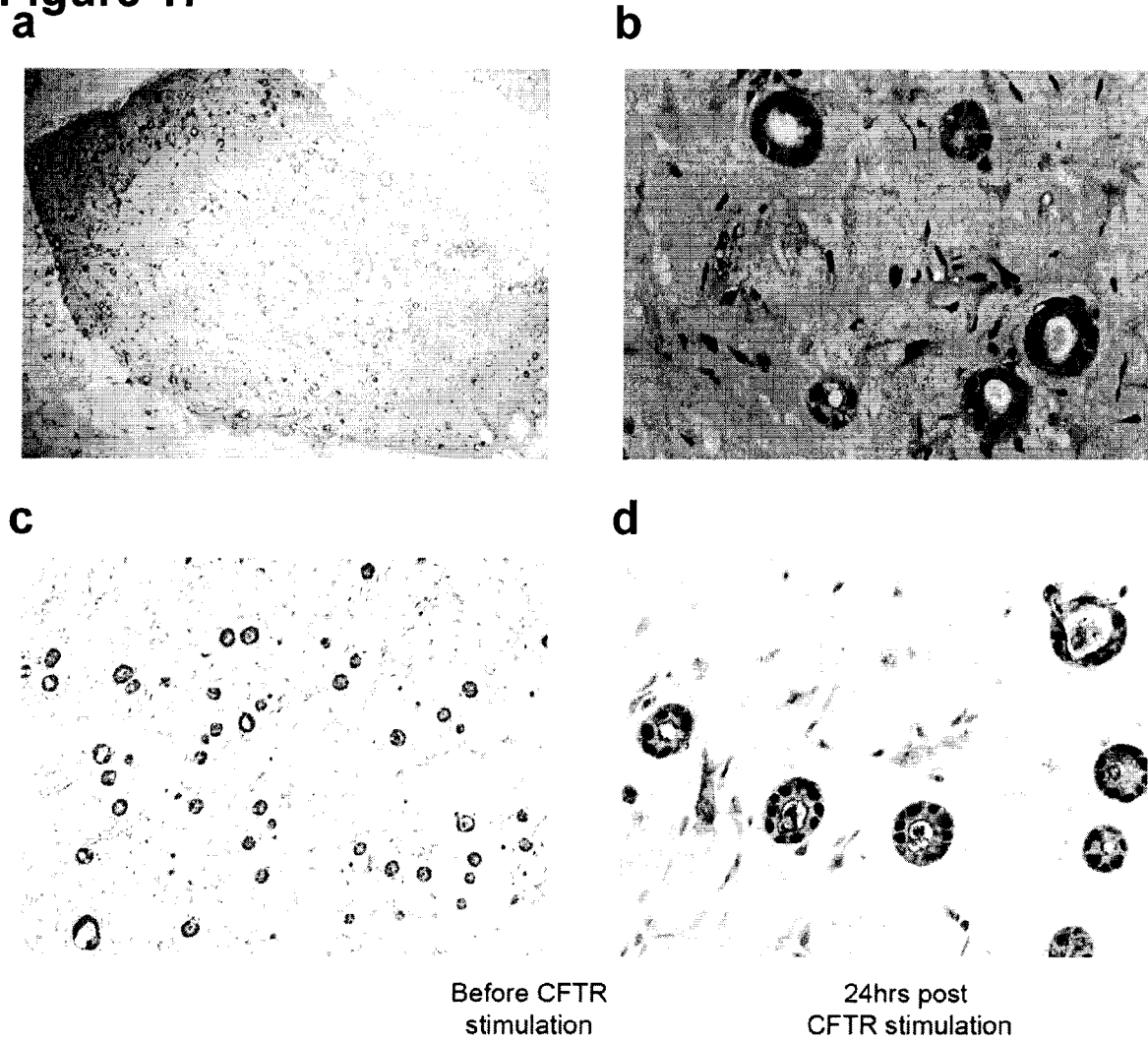


Figure 18

a

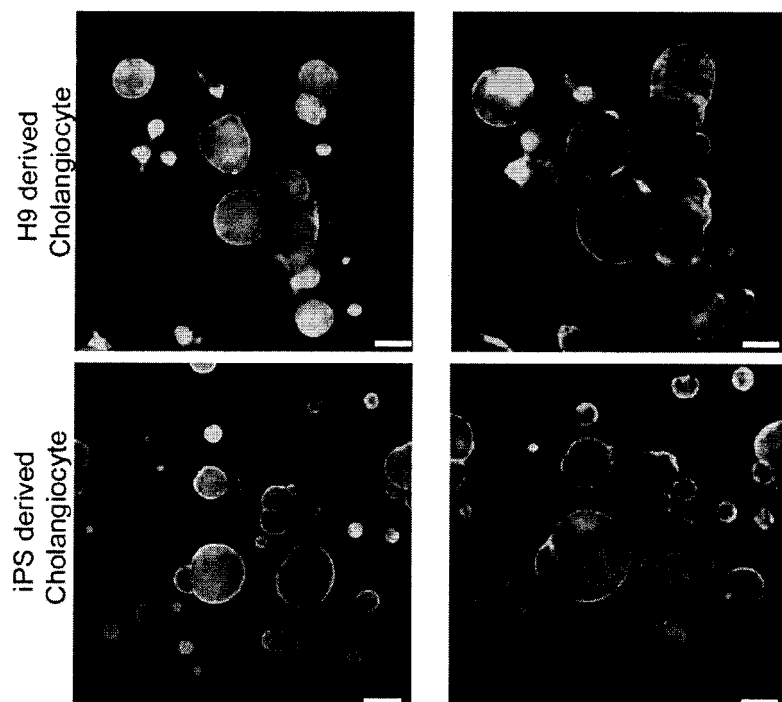


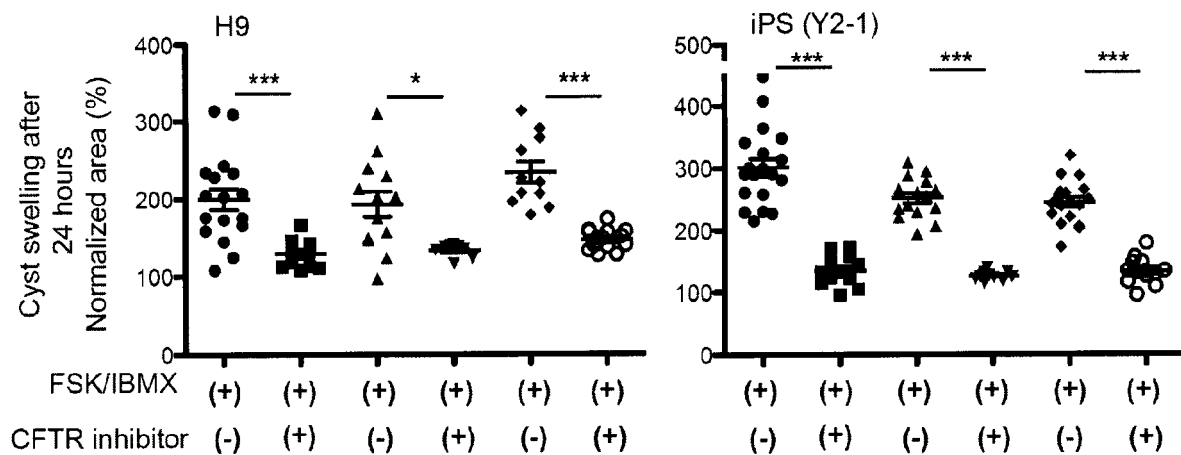
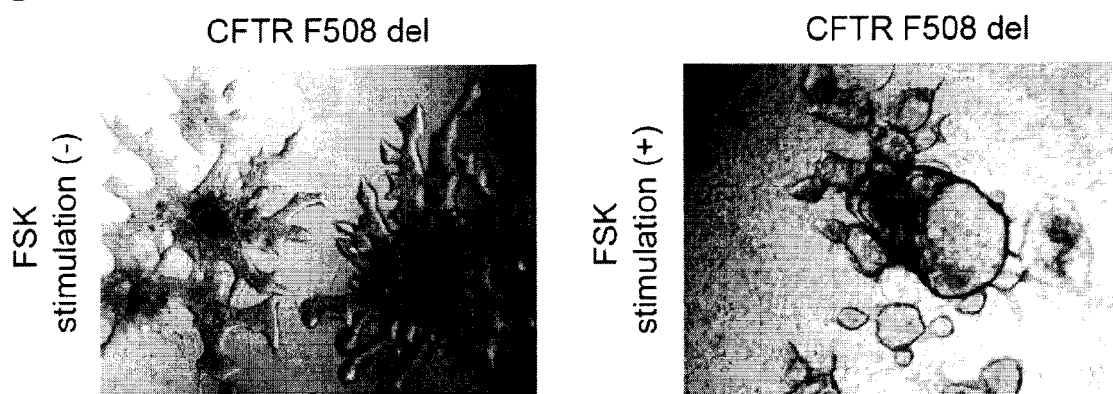
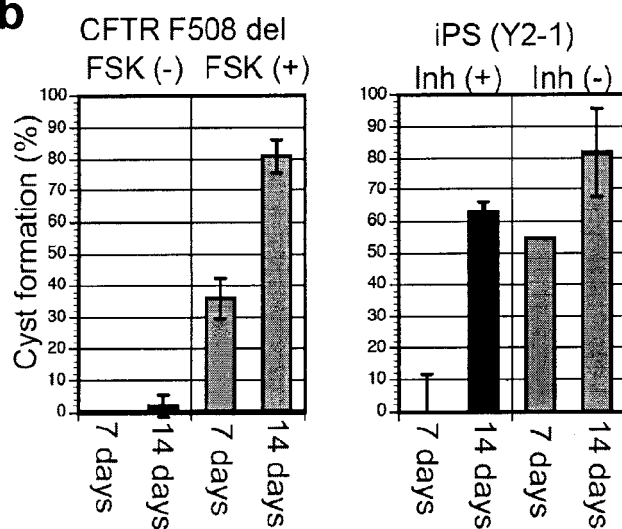
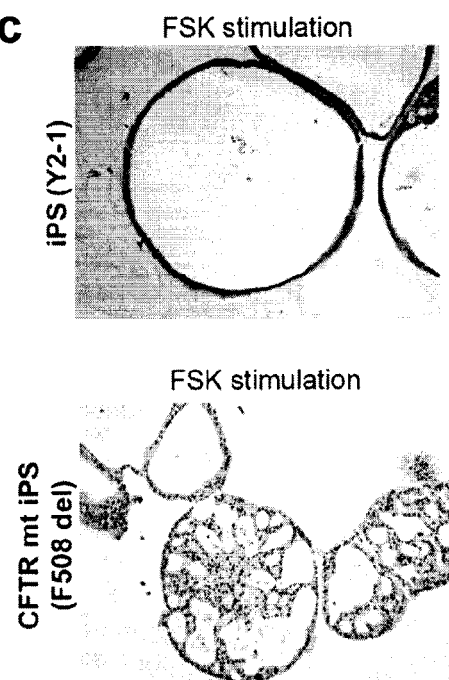
Figure 18 (continued)**b****Figure 19****a****b****c**

Figure 20

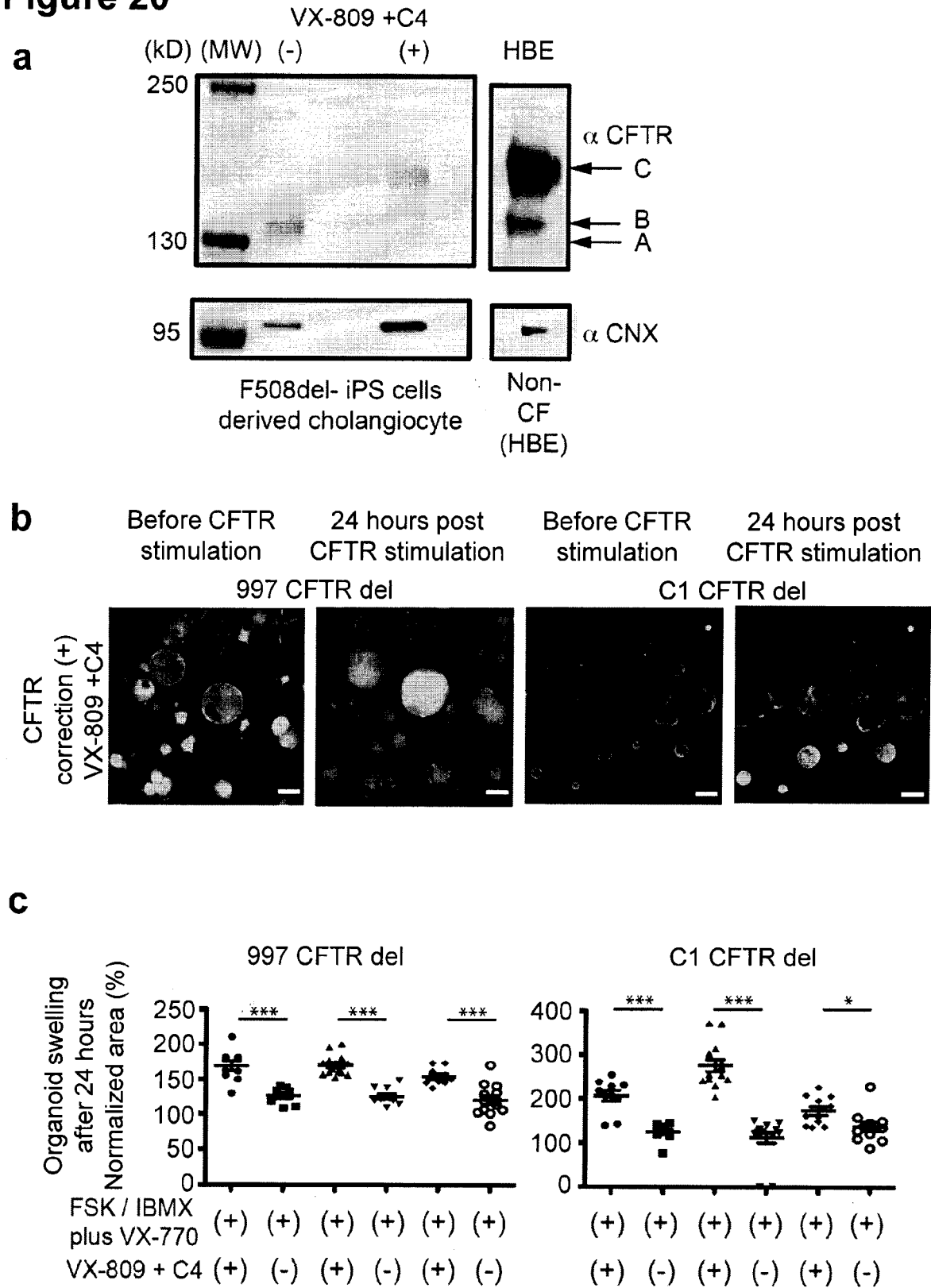


Figure 21

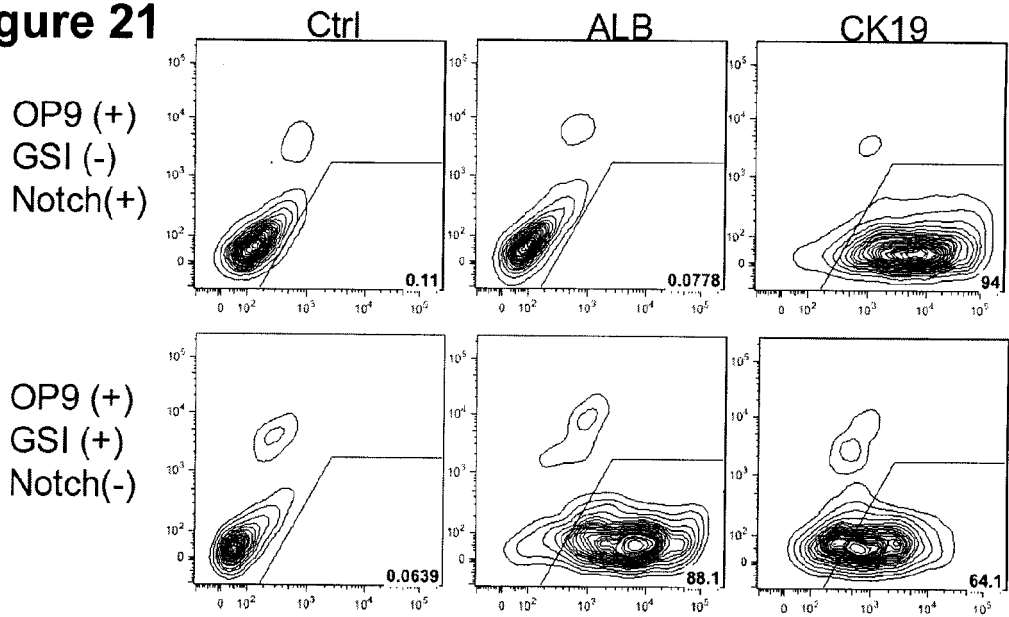


Figure 22

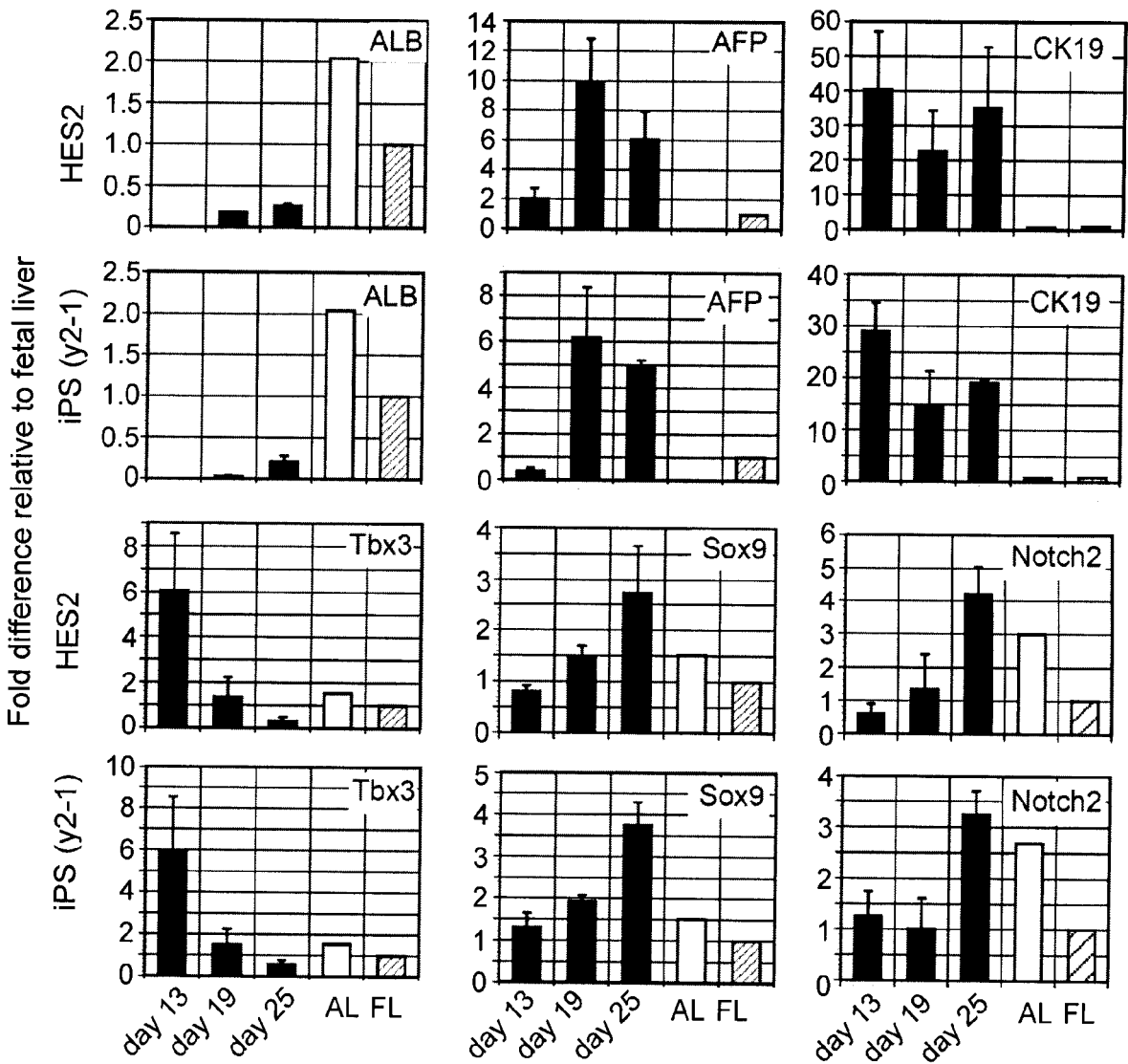


Figure 23

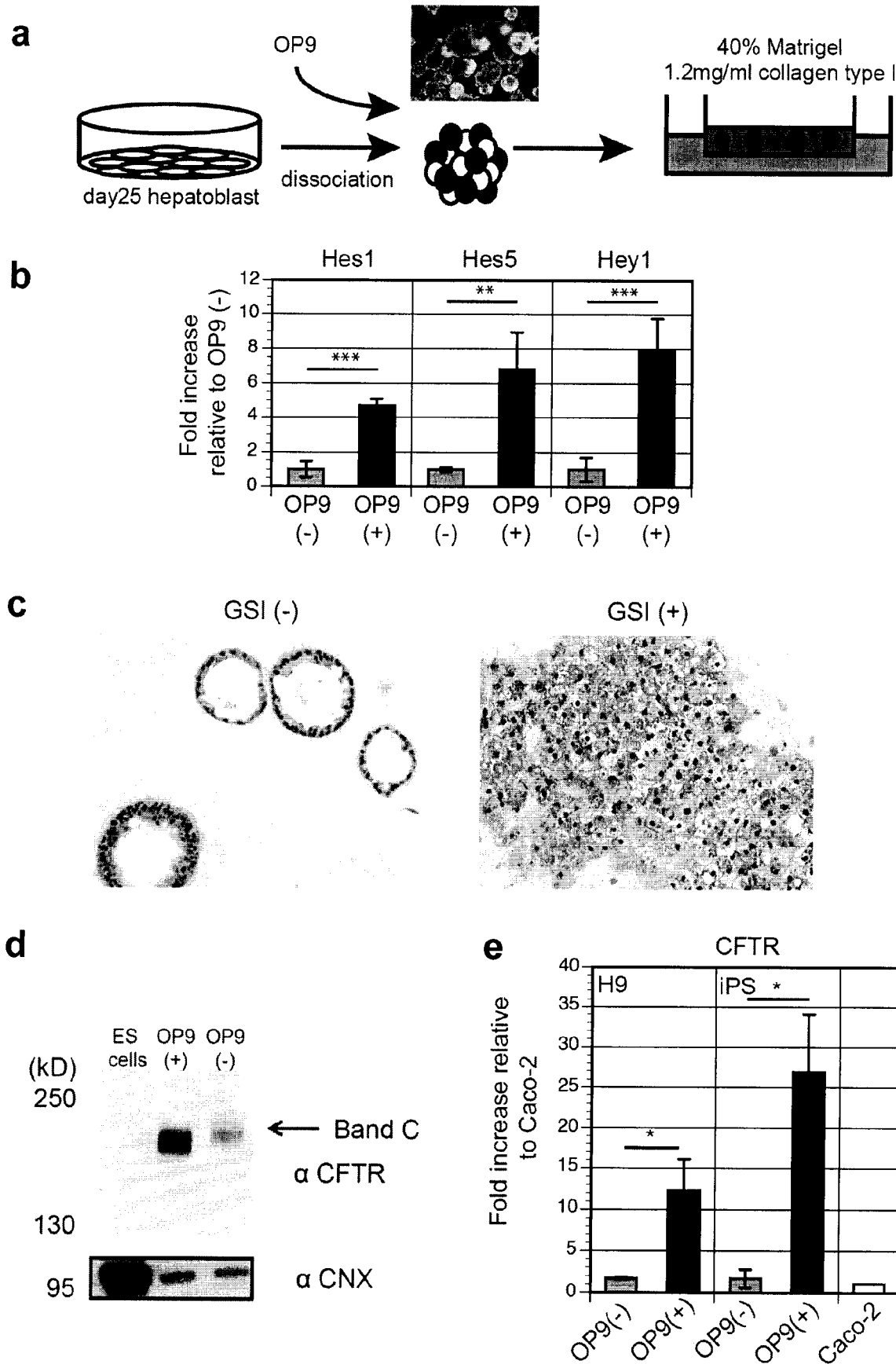


Figure 24

