



Fold Change (p-JNK): 1.0 2.49 0.19

Supplemental Figure 4: DAL-1-mediated JNK activation requires Rac1 activation. IOMM-Lee cells stably expressing DAL-1 were transfected with empty pcDNA3 (vector), pcDNA3.Rac1^{V12}, or pcDNA3.Rac1^{N17}. Two days post-transfection, cells were lysed and analyzed by Western blot for DAL-1, p-JNK (active JNK), and total JNK (bottom panel). Transfection of dominant negative Rac1 (Rac1^{N17}) reduced JNK activation (right lane), while transfection of constitutively active Rac1 (Rac1^{V12}) resulted in an increase in the level of JNK activation, relative to empty vector. Fold changes in p-JNK levels relative to total JNK, as determined by densitometric analysis, are shown at the bottom.