



**Figure 9. SIR Proteins and Rap1 Are Found in Foci at the Nuclear Periphery**

In panel *a*, Rap1 (green) identifies 7 clusters representing all 64 telomeres in this diploid cell. They are either perinuclear or adjacent to the nucleolus (blue, anti-Nop1). DNA is in red. In panel *b*, telomeric DNA (red) is identified by fluorescent in situ hybridization (FISH), and HML is visualized in green. The two colocalize in about 70% of the cases, and both are adjacent to the nuclear envelope (blue) (Heun et al. 2001). Panel *c* shows the focal distribution of Sir4 (green) adjacent to the nuclear envelope (Mab414, red). This pattern is lost in a *yku70* deletion strain, coincident with the loss of telomeric silencing (Laroche et al. 1998).