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mTOR inhibition by rapamycin causes tumor regression in a chemically induced squamous cell carcinoma model. Shown here is the immunodetection of phosphorylated ribosomal S6 protein (pS6, red) and E-cadherin (green) labeling the tumor cells in an early squamous tumoral lesion arising in the skin of mice treated with DMBA followed by TPA (nuclei are stained with DAPI, blue). Immunofluorescent staining of pS6 reflects the widespread activation of mTOR in this chemically-induced skin cancer lesion. For further details, please see Amornphimoltham and coworkers on page 8094 in this issue.

