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**Cover:** *In vivo* activation of the extracellular regulated kinase (MAPK/ERK) pathway in autosomal dominant polycystic kidney disease. Immunofluorescence image of a cystic kidney from a mouse with conditional kidney-selective inactivation of *Pkd1* at post natal day 7. Increased phospho-ERK1/2 expression (green) is confined to a subset of cells lining the kidney cysts. The collecting duct origin of the cysts is indicated by staining with the lectin *Dolichos biflorus* (red). Nuclei are marked by DAPI (blue), see Shibazaki *et al.*, pp. 1505–1516.

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