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COVER: Immunofluorescence images of the sterol response element binding protein (SREBP) in human umbilical vein endothelial cells. In the presence of cholesterol (top), SREBP (red) colocalizes with the endoplasmic-reticulum-specific marker, protein disulfide isomerase (green), outside of the 4',6-diamidino-2-phenylindole-stained nucleus (blue). After cholesterol deprivation (bottom), active SREBP translocates to the nucleus (magenta), where it induces the expression of genes required for cholesterol and fatty acid homeostasis. (See Smith et al., p. 862.)

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