A human RPE1 cell lacking both Kif2a and Kif2b forms a monopolar spindle in mitosis. Microtubules are shown in red and chromatin in blue. The kinesin-13 family members Kif2a, Kif2b, and Kif2c/MCAK have different functions during mitosis that are collectively required for spindle bipolarity, proper chromosome attachment, and movement as well as for cytokinesis. See the article by Manning et al. on p. 2970 of this issue of MBC. (Image: Amity Manning, Dartmouth Medical School)

The Philosophy of Molecular Biology of the Cell

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