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On the Cover: Deuterium depleted water (DDW) with 20–130 ppm of deuterium instead of 130–150 ppm in natural water has long been known to have antiproliferation properties, but the molecular mechanism remained obscure. By applying chemical proteomics tools to lung cancer cells, we confirmed the anticancer effect of DDW and revealed moderate, but not extreme (vDDW) deuterium depletion induces cellular oxidative stress. Therefore, DDW can be used as a safe adjuvant to conventional anticancer therapy. For details, see the article by Zhang *et al.*, 18 (12) 2373–2387.

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