Rab8, Rab11, and Rab35 coordinate lumen and cilia formation during zebrafish left-right organizer development

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Kupffer’s Vesicle (KV): The ciliated zebrafish organ of asymmetry

Confocal maximum projection of the zebrafish organ of asymmetry known as Kupffer’s Vesicle (KV) during the lumen stage. KV cells are marked using a Sox17: GFP-CAAX zebrafish line (inverted grey LUT) and cilia extending into the KV lumen are marked with an anti-acetylated tubulin antibody (16-color LUT).

Image credit: Julie Manikas and Heidi Hehnly