



Figure S1 Cep57 is a PCM component. **(A)** Immunoblotting of HeLa cell lysates using anti-Cep57 antibody. **(B)** The immunofluorescence image shows the co-localization of Cep57 (green) and γ -tubulin (red). Boxed regions showing higher magnification images of the centrosome. Bar, 5 μ m. **(C)** Immunostaining of HeLa cells at different mitosis stages for Cep57 (green) and α -tubulin (red). Bar, 5 μ m. **(D)** The centrosome localization of Cep57 is microtubule-independent. HeLa cells were treated with nocodazole to depolymerize the microtubule network and then immunostained with Cep57 (green) and α -tubulin (red). Bar, 5 μ m. **(E)** Immunoelectron microscopy images of HeLa cell centrosomes. Negative control, mouse normal IgG. Bar, 100 nm. **(F)** The graph shows the number of golden particles around the centriole within an area of $1.5\mu\text{m}^2$. A minimum of 15 cells was counted per sample. Error bars represent mean \pm SEM. ** $P < 0.001$, unpaired Student's t -test.