

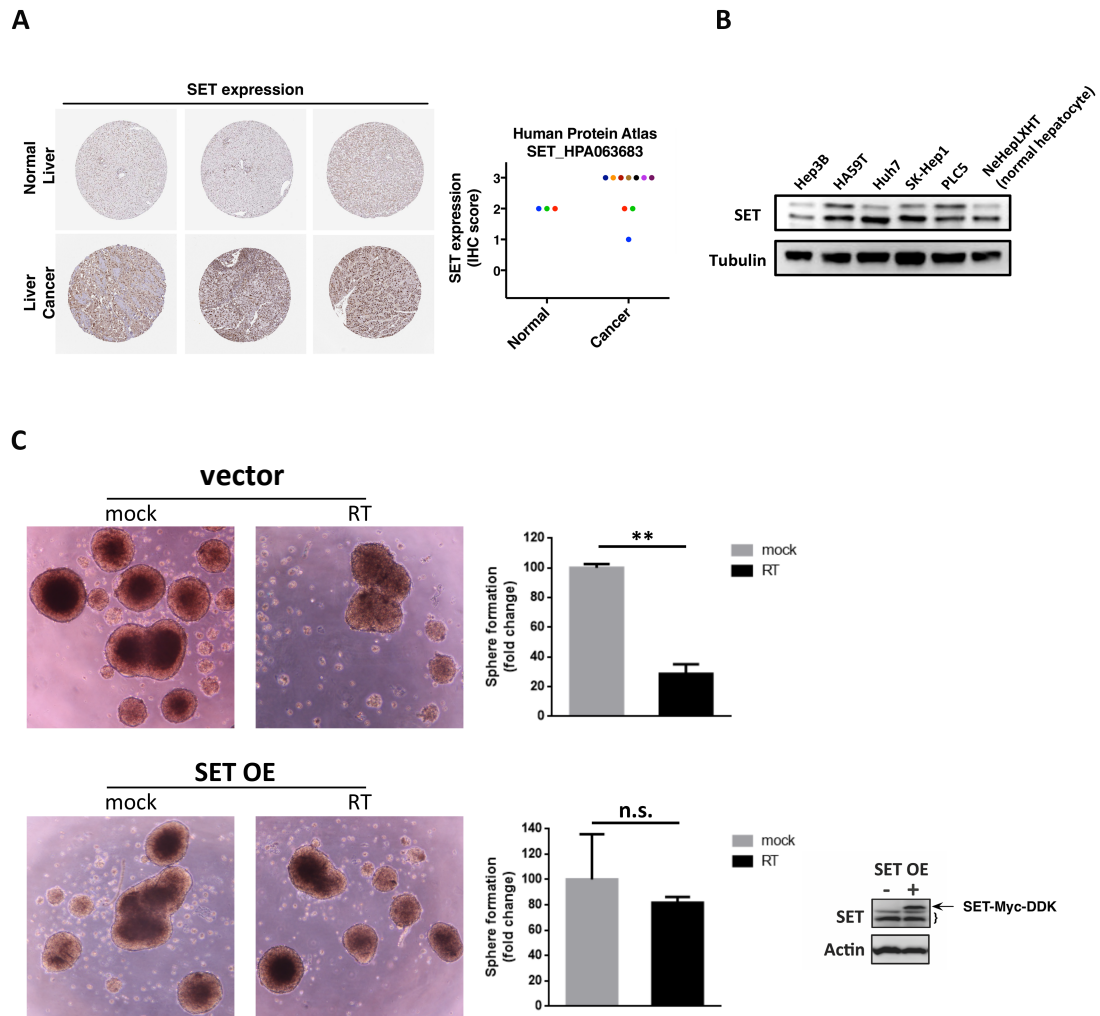
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**Antagonizing SET augments the effects of radiotherapy in
hepatocellular carcinoma through reactivating PP2A-mediated
Akt downregulation [∅]**

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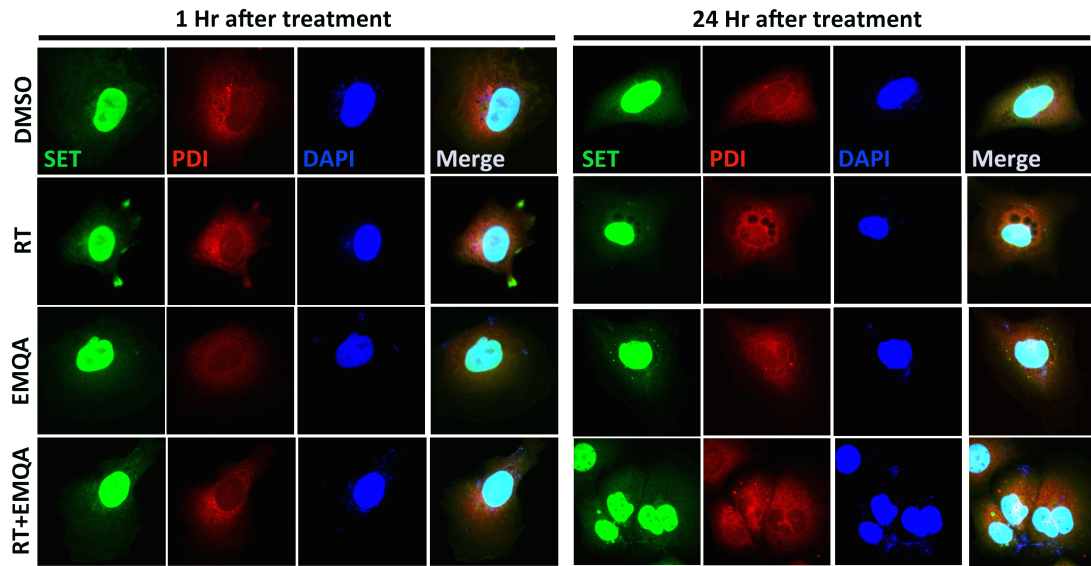
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Supplement Figure 1. (A) Representative images of IHC staining of SET protein in normal liver tissues (N=3) and HCC tumors (N=12). Image credit: Human Protein Atlas (<http://v18.proteinatlas.org/>)*. IHC score: 0, no detected; 1, Low; 2, Medium; 3, High. (B) The expressions of SET were determined in a panel of HCC cell lines and normal liver cell by western blot. (C) Overexpression of SET reversed RT-mediated anti-tumor effects. The effects of RT on Hep3B cells with/without SET expression were assessed by sphere formation. N=3. Representative images of tumor sphere were presented on left panel and the quantified results were presented over the right panel. Curly bracket highlighted the bands of endogenous SET, and arrow indicated the ectopic expressed SET. Bar: mean; error bar, SD. **, $p < 0.01$; n.s., not significant.

*Reference: Uhlen M et al, 2017. A pathology atlas of the human cancer transcriptome. Science.



Supplement Figure 2. Radiotherapy and/or EMQA treatment did not affect the expressions of SET in different cellular components. Representative images of SET (green), PDI (red, represent endoplasmic reticulum) and DAPI (blue, represented nucleus) taken one and 24 hours after indicated treatments were shown here.