# Supplementary Materials: A Novel Role of Dickkopf-Related Protein in Macropinocytosis in Human Bladder Cancer T24 Cells

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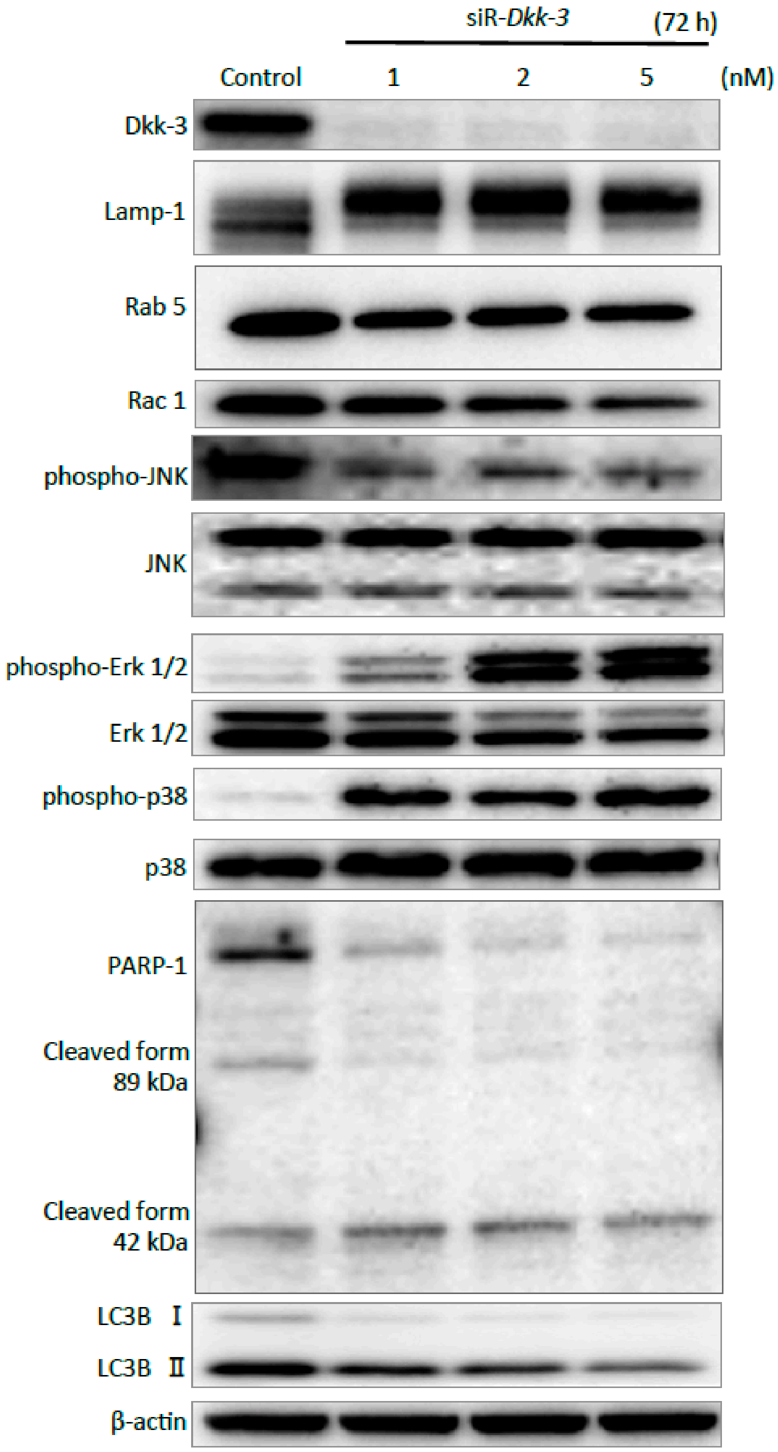

**Figure S1.** Expression profiles of autophagy, apoptosis or macropinocytosis related proteins in T24 cells at 72 h after transfection with non-specific siRNA or siR-*Dkk-3*.

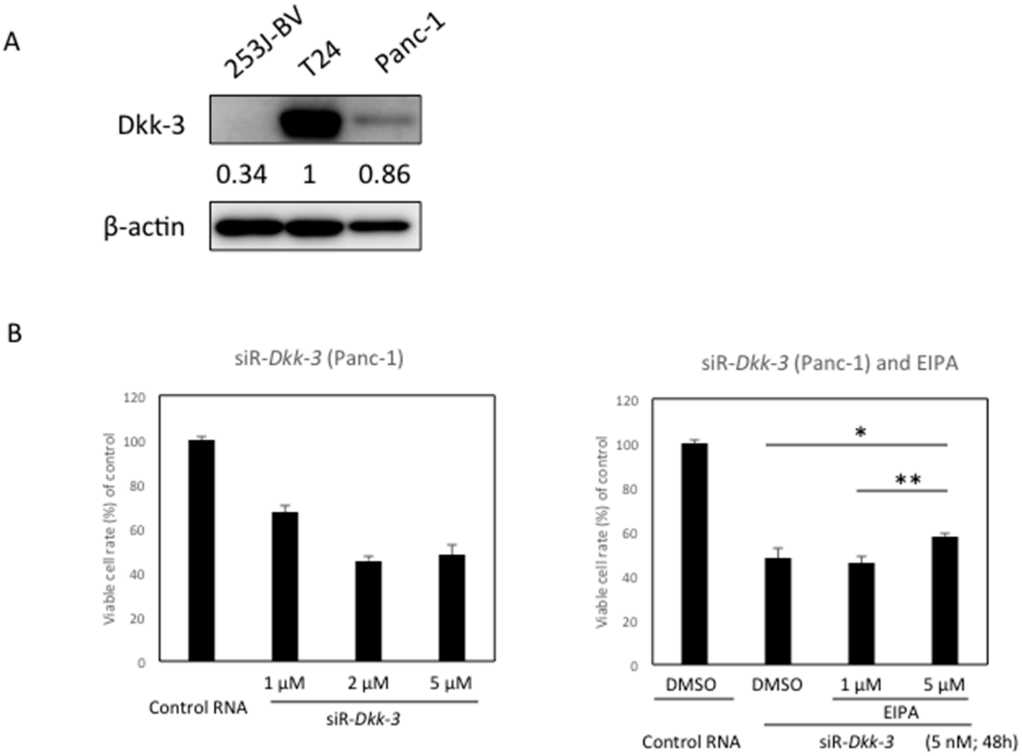

**Figure S2.** Growth inhibitory effects of *Dkk-3* knock-down in Panc-1 cells. (**A**,**B**) Dkk-3 expression and Cell viability in Panc-1 cells at 48 h after transfection with non-specific siRNA or siR-*Dkk-3* (1, 2, or 5 nM), which was canceled in part by the co-treatment with EIPA. The Dkk-3 expression levels were estimated by the densitometric analysis. The *p*-values in (**B**) are indicated as follows: * $p < 0.05$ and ** $p < 0.01$.

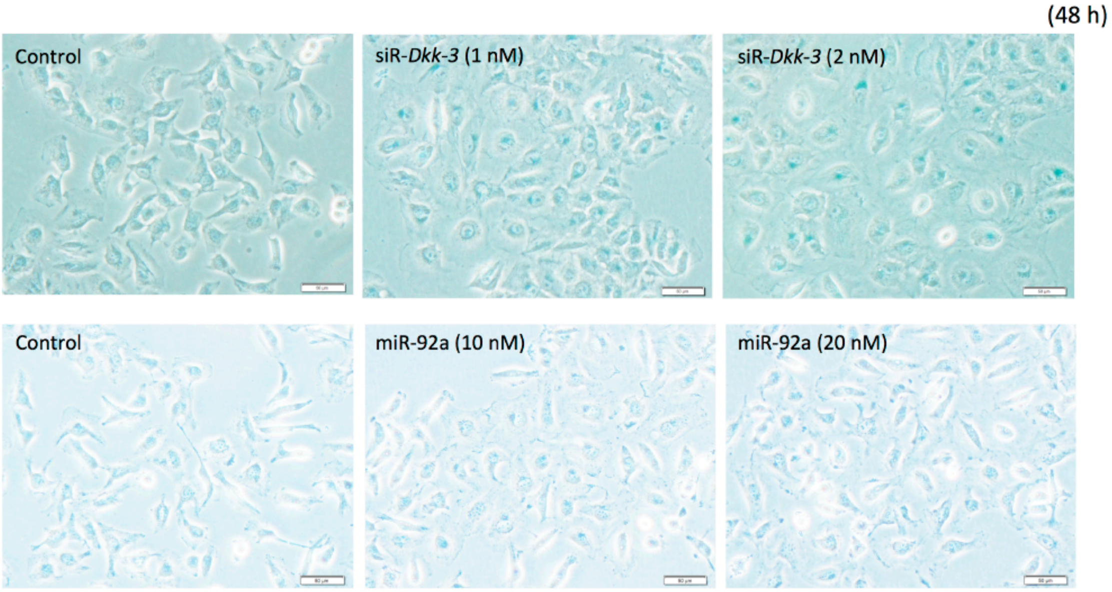

**Figure S3.** Staining for senescence-associated β-galactosidase in T24 cells at 48 h after transfection with non-specific siRNA, siR-*Dkk-3* or miR-92a. Scale bars, 50 μm.

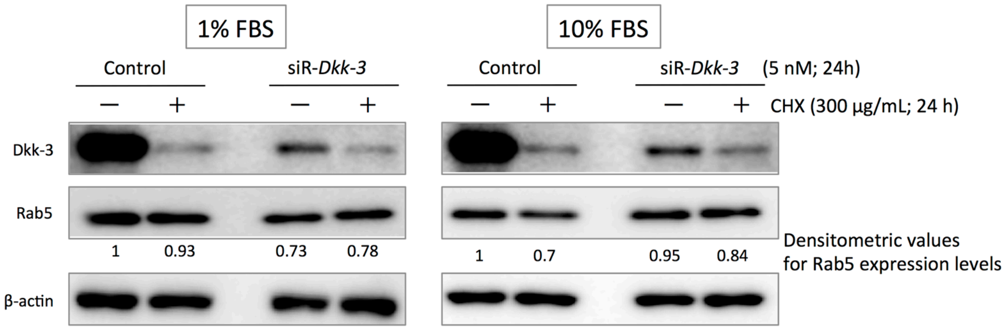

**Figure S4.** Stability of Rab5 protein in T24 cells transfected with non-specific siRNA or siR-*Dkk-3* (5 nM) in different nutritional conditions (1% FBS- or 10% FBS-containing medium). Cells were also treated with CHX (300 µg/mL) at the time of transfection.