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Supplemental Data

Article

mTOR Complex 2 Is Required for the Development of Prostate Cancer Induced by *Pten* Loss in Mice

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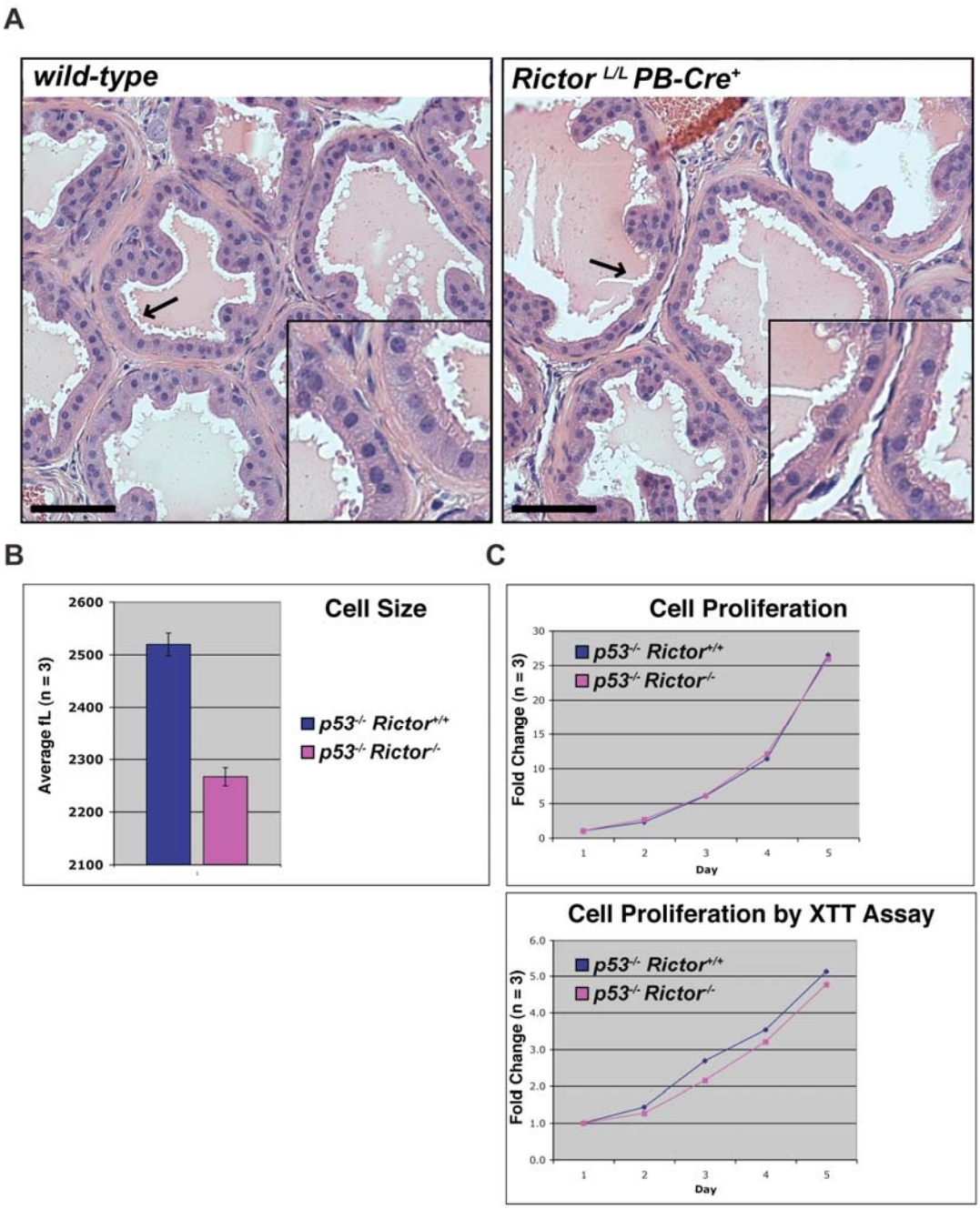

Figure S1. *Rictor* Deletion Results in Smaller Cells but Not in a Proliferation Defect

(A) Example of wild-type and *Rictor*$^{L/L}$ *PB-Cre*$^{+}$ tissue stained with H&E. The arrows mark the sections boxed by the inserts. Scale bar = 50μm. (B-C) MEFS immortalized by p53 deletion and null for *Rictor* are smaller than litter matched *p53*$^{-/-}$ MEFS wild-type for *Rictor*, but they proliferate at the same rate.

(B) Triplicate measurements of cell size (fL) were made using a Coulter counter. Error bars = SD.

(C) Cells were seeded at equal density and cell number was measured on 5 consecutive days using a Coulter Counter (top) or using an XTT assay kit (bottom; Roche). Fold change derived from 3 experiments is shown.

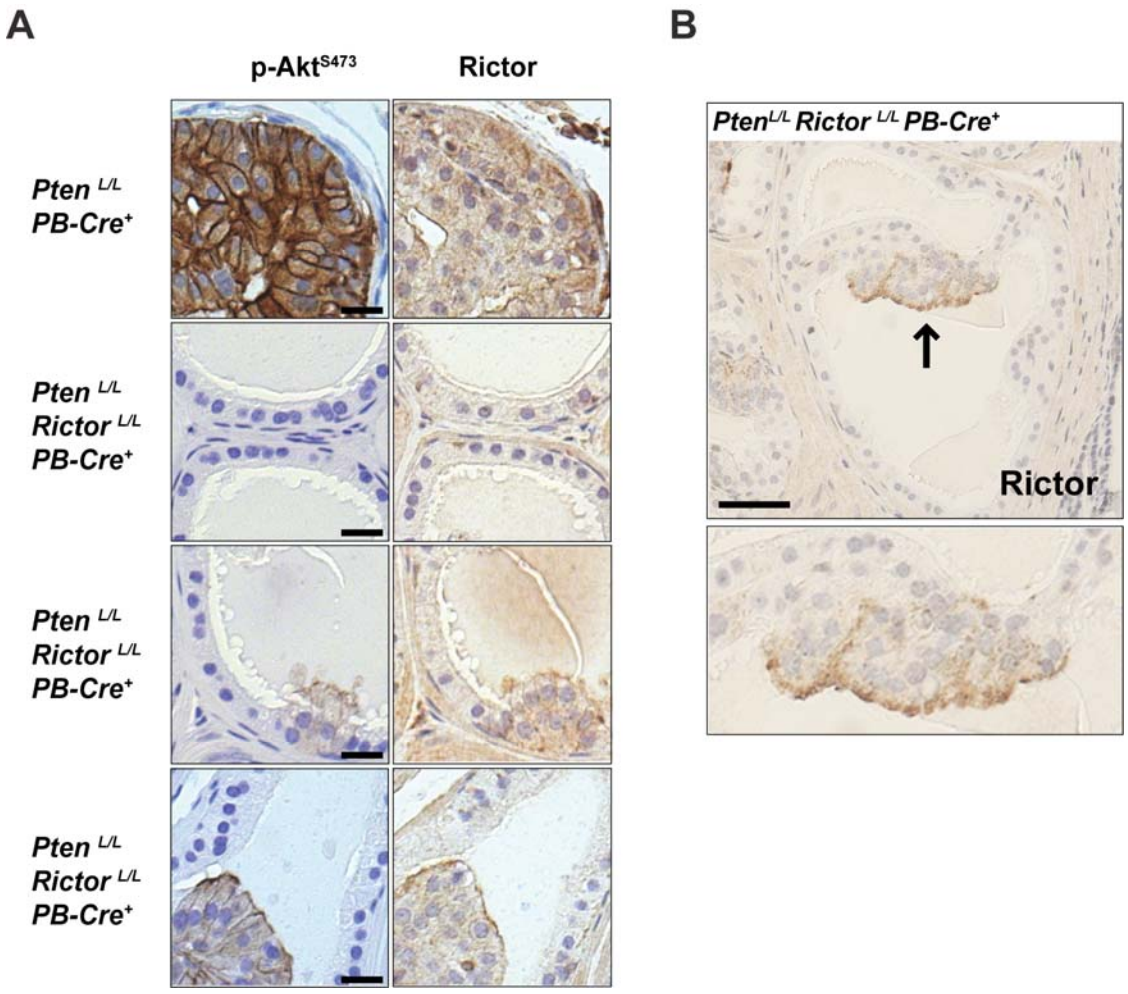

Figure S2. Rictor Immunohistochemistry

(A) Additional examples of Rictor labeling. In each case, Rictor signal correlates with Akt^{S473} phosphorylation. Scale bar = 25μm.

(B) Rictor localizes to the membrane. Shown is a patch of abnormal cells from *Pten*$^{LoxP/LoxP}$*Rictor*$^{LoxP/LoxP}$*PB-Cre*$^{+}$ prostate tissue staining positive for Rictor with a noticeable concentration of Rictor protein near the luminal edge of the cells (arrow). The indicated cells are enlarged in the bottom box. Scale bar = 25μm.

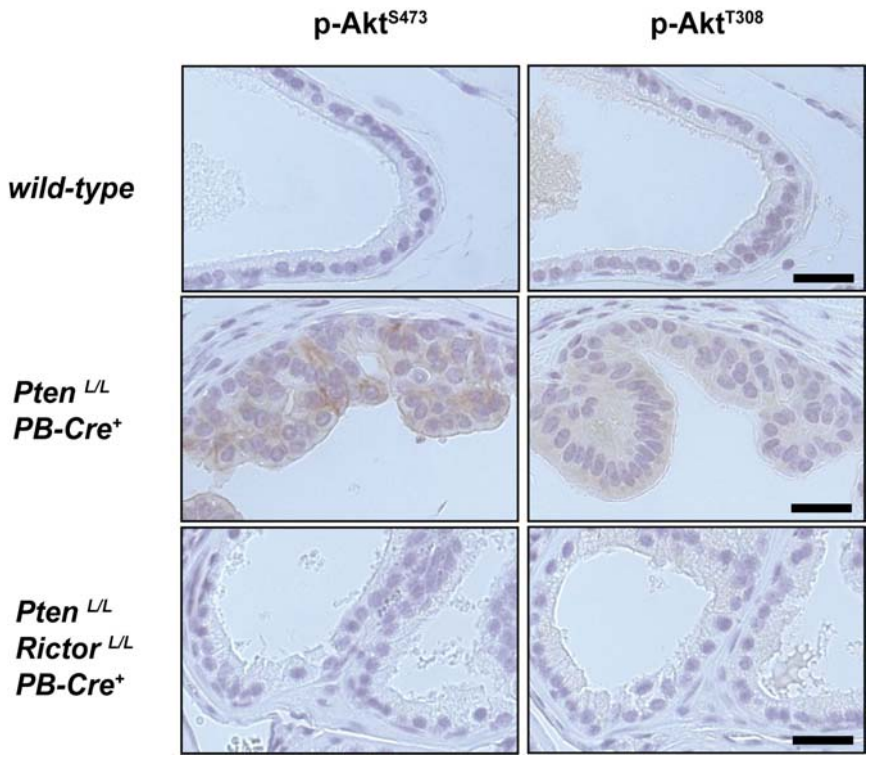

Figure S3. Phospho-Akt^{T308} Immunohistochemistry

Labeling of wild-type, *Pten*$^{LoxP/LoxP}$*PB-Cre*$^{+}$, and *Pten*$^{LoxP/LoxP}$*Rictor*$^{LoxP/LoxP}$*PB-Cre*$^{+}$ prostate tissue with a phospho-Akt^{T308} antibody in development for IHC. Scale bar = 25μm.