Legends for Supplemental figures

Figure S1.

A, $TscI^{i\Delta EC}$ tumor cell growth upon SAHA (2.5 μM) or DMSO treatment for 7 days ($n = 3$; ***, $p < 0.001$). B, $TscI^{i\Delta EC}$ tumor cell viability was assessed by luminescence upon SAHA (5 μM) or DMSO treatment for 3 days. $n = 3$. ***$p < 0.001$. C, $TscI^{i\Delta EC}$ tumor cell viability was measured at 450 nm absorbance upon SAHA (5μM) or DMSO treatment for 2 days. $n = 3$. ****$p<0.0001$.

Figure S2.

Image of representative xenograft tumor sections from mice treated with vehicle, SAHA or CI994. Scale bars are 5 mm.

Figure S3.

Western blot analysis of FIP200 expression in Ctrl and Fip200 KO $TscI^{i\Delta EC}$ tumor cells.

Figure S4.

RT-qPCR gene expression analysis of ER stress-related genes upon SAHA (5 μM) or DMSO treatment. Data are shown as mean ± SD. $n = 3$. ***$p < 0.001$; n.s., no significance.

Figure S5.

A, Western blotting analysis of Cl. Casp3, P-p70 S6K and P-rpS6 in LN229 tumor cells upon DMSO, SAHA (5μM) or CI-994 (25μM) treatment. B, Western blotting analysis of Cl. Casp3, P-p70 S6K and P-rpS6 in LEF tumor cells upon DMSO, SAHA (5μM) or CI994 (25μM) treatment. In all experiments, vinculin as an endogenous loading control.

Figure S6.
A and B, Cell death analysis of \( T_{scj}^{i\Delta EC} \) tumor cells upon SAHA (5 μM), SAHA (5 μM) + 
LY294002 (40 μM), SAHA (5 μM) + MK2206 (10 μM) or DMSO treatment for 18h. Cells were 
stained with PI and analyzed by flow cytometry. Representative results (A) and mean ± SD of 
MFI (B) shown. n=3. **p < 0.01; ***p < 0.001.
A

|                | Ctrl | Rheb (S16H) | Ctrl | Rheb (S16H) | Ctrl | Rheb (S16H) |
|----------------|------|--------------|------|--------------|------|--------------|
| **Cleaved Caspase 3** |      |              |      |              |      |              |
| **Vinculin**      |      |              |      |              |      |              |
| **P-p70 S6K**     |      |              |      |              |      |              |
| **p70 S6K**       |      |              |      |              |      |              |
| **P-rpS6**        |      |              |      |              |      |              |
| **rpS6**          |      |              |      |              |      |              |

DMSO  SAHA  CI-994

LN229

B

|                | DMSO | SAHA | CI994 |
|----------------|------|------|-------|
| **Tsc2**       |      |      |       |
| **Cleaved Caspase 3** |      |      |       |
| **Vinculin**    |      |      |       |
| **P-p70 S6K**   |      |      |       |
| **p70 S6K**     |      |      |       |
| **P-rpS6**      |      |      |       |
| **rpS6**        |      |      |       |

LEF
A

Mock
DMSO
SAHA
SAHA+LY294002
SAHA+MK2206

PI

B

Cell death (MFI)

DMSO: + - - - -
SAHA: - + + + +
LY294002: - - + - -
MK2206: - - - + -