

Supplementary information

Identification of ULK1 as a novel biomarker involved in miR-4487 and miR-595 regulation in neuroblastoma SH-SY5Y cell autophagy

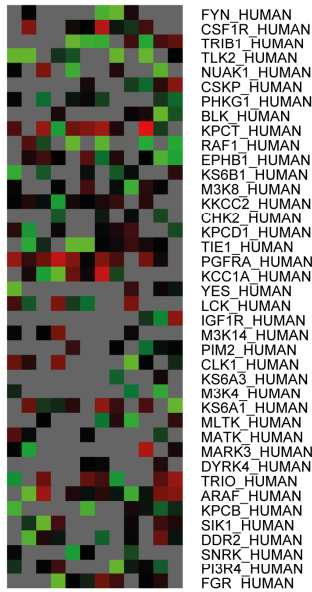
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Running title: ULK1 and its target miRNAs in autophagy

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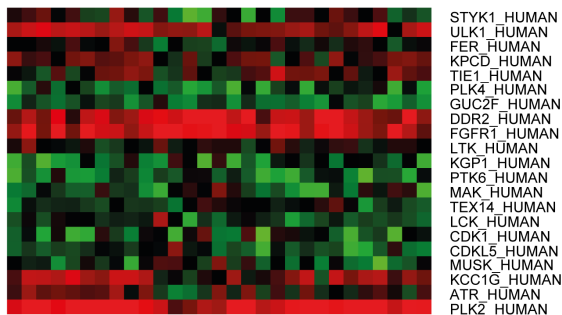
A. Autophagic microarray in breast cancer (GSE22386)

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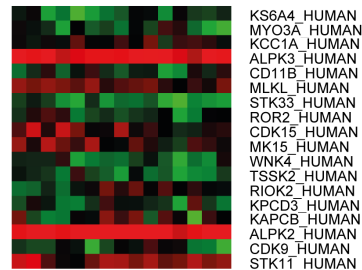
C. Autophagic microarray in type II diabetes (GSE21340)

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B. Autophagic microarray in Parkinson's disease (GSE28894)

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D. Autophagic microarray in ageing (GSE236)

Figure S1 | Different types of microarray evidence in human diseases

(A) Breast cancer; (B) Parkinson's disease; (C) Type II diabetes; (D) Ageing.

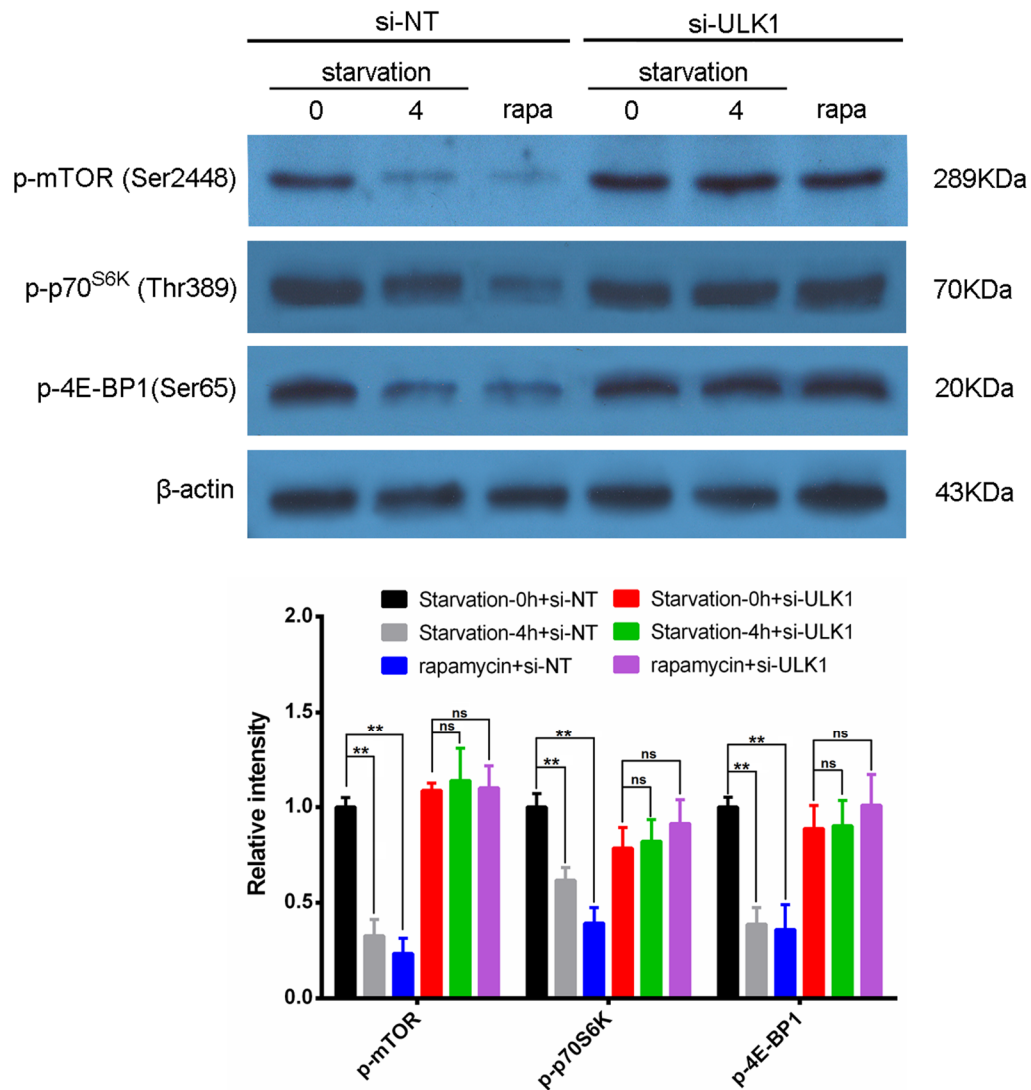


Figure S2 | ULK1 may regulate p70^{S6K} via mTOR

The SH-SY5Y cells were transfected with siRNAs for 48 h, followed by starvation for 0, 4 h, or treatment of rapamycin (1 μ M) for 4h, then subjected to immunoblot, β -actin was used as a loading control, the data are representative of 3 independent experiments. * $P < 0.05$; ** $P < 0.01$.