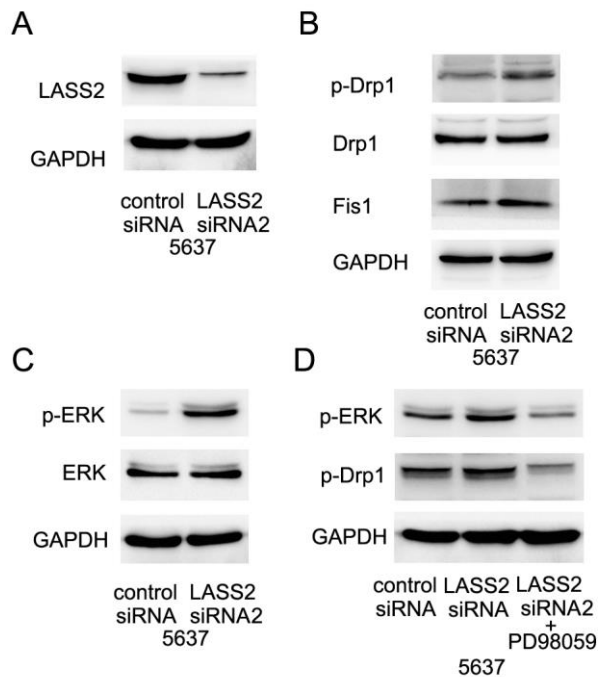


Supplementary Figure 1. LASS2 upregulates cleaved caspase 3 and cytochrome c.

LASS2 overexpression upregulated the expression of cleaved caspase 3 and cytochrome c in J82 and BIU87 cells treated with DOX. LASS2 depletion in 5637 cell line alleviated cleaved caspase 3 and cytochrome c release.



Supplementary Figure 2. LASS2 siRNA2 upregulates p-Drp1 and ERK signaling.

A. LASS2 siRNA2 downregulated LASS2 protein in 5637 cells. B. LASS2 siRNA2 upregulated p-Drp1 without significant changes of Drp1 and Fis1 protein. C. LASS2 siRNA2 upregulated ERK phosphorylation. D. Treatment with ERK inhibitor PD98059 reduced p-Drp1 expression and downregulated the effect of LASS2 siRNAs.