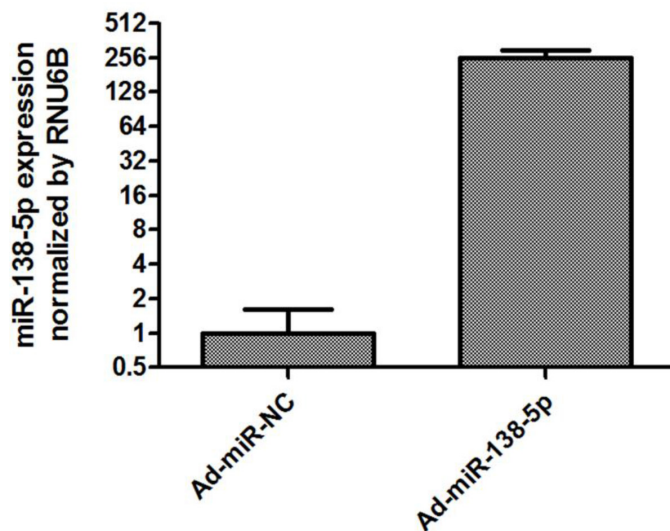
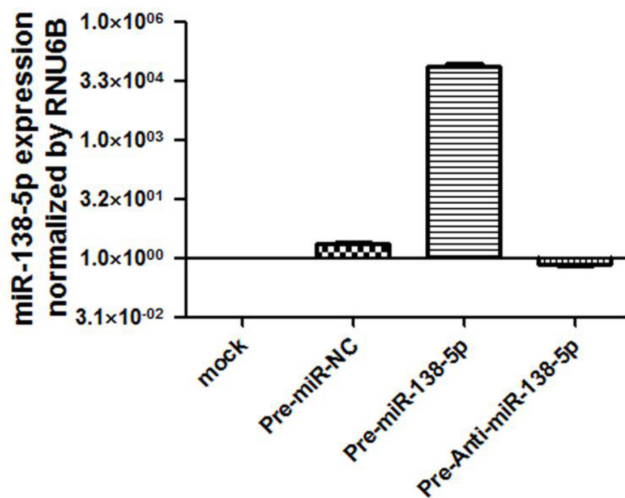


miR-138-5p suppresses autophagy in pancreatic cancer by targeting *SIRT1*

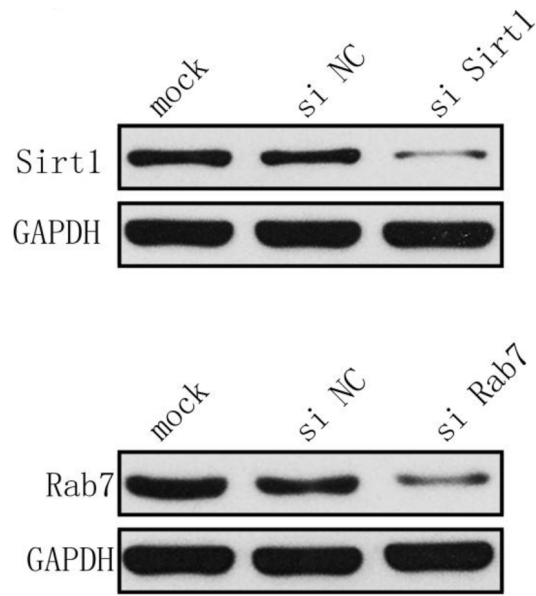
Supplementary Materials



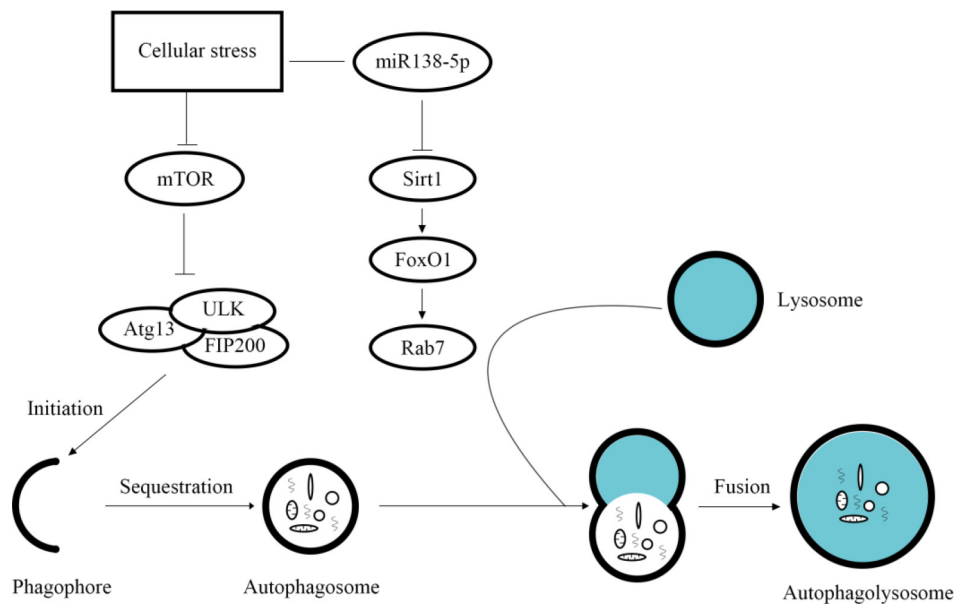
Supplementary Figure S1: Indicated cells were subjected to PCR to detect miR-138-5p expression.



Supplementary Figure S2: Indicated cells were subjected to PCR to detect miR-138-5p expression.



Supplementary Figure S3: Indicated cells were subjected to western blot to detect SIRT1 and Rab7 expression.



Supplementary Figure S4: Schematic illustration for the role of miR-138-5p on autophagy in pancreatic cancer. miR-138-5p inactivates SIRT1 through binding its 3'-UTR site. Inactivation of SIRT1 promote apoptosis probably through SIRT1-FoxO1-Rab7 axis.

Supplementary Table S1: Association between SIRT1 expression and clinicopathological features of pancreatic cancer

	Patients	SIRT1 expression		P value
		Low	High	
Gender				
Male	21	12	9	0.122
Female	8	5	3	
Age(Year)				0.244
< 65	15	7	8	
≥ 65	14	11	3	
Tumor size(cm)				0.550
≤ 3	14	9	5	
> 3	15	6	9	
Tumor stage				0.228
CIS, Ta, T1	6	1	5	
T2–T4	23	10	13	
Tumor grade				0.023*
Grade I, II	22	15	7	
Grade III	7	1	6	
Lymphnodes status				0.278
Negative	21	13	8	
Positive	8	6	2	
Surrounding tissues infiltration				0.023*
Negative	12	5	7	
Positive	17	14	3	

* $p < 0.05$.

Supplementary Table S2: The detailed information of the patients enrolled in tissue array. See Supplementary_Table_S2