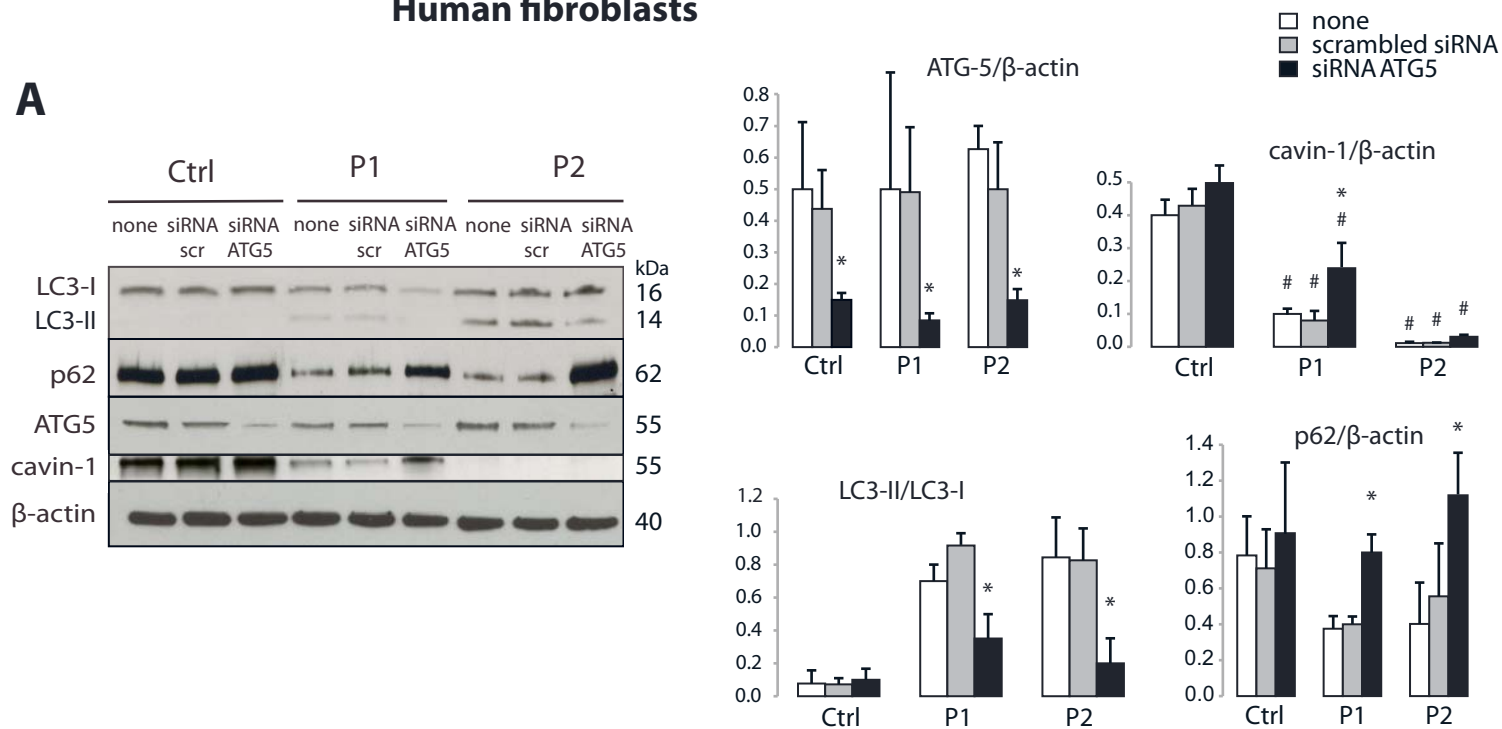


**Supplemental Table 1****Antibodies used**

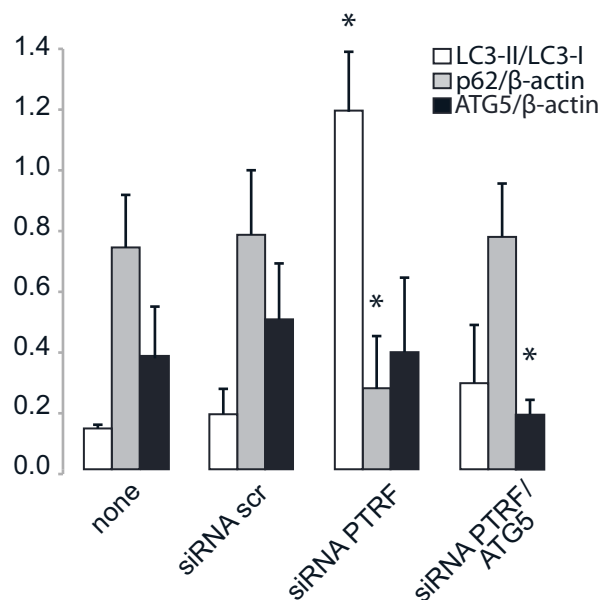
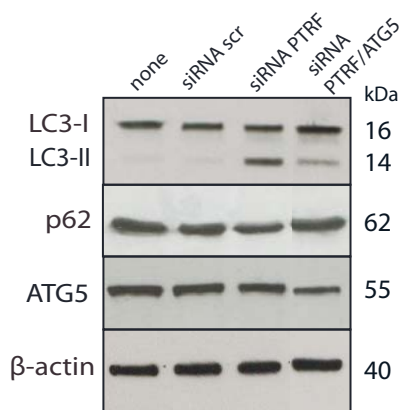
Source (clone)	Targeted protein	Catalogue reference	Company
mouse	PTRF/cavin-1	#611258	BD Biosciences (Franklin Lakes, NJ, USA)
rabbit	Caveolin-1	sc-894 (N-20)	Santa Cruz Biotechnology (Santa Cruz, CA, USA)
mouse	Caveolin-2	#610684	BD Biosciences
rabbit	LC3	LC3 A/B ab 58610	Abcam Inc.
rabbit	p62	PM045	MBL International (Woburn, MA, USA)
mouse	ATG5	sc-133158	Santa Cruz Biotechnology
rabbit	Fatty acid synthase (FAS)	#3189	Cell Signaling Technology Inc. (Danvers, MA, USA)
rabbit	Peroxisome proliferator- activated receptor $\gamma$ (PPAR- $\gamma$ )	sc-7196	Santa Cruz Biotechnology
rabbit	Sterol response element binding protein 1 (SREBP-1)	sc-367	Santa Cruz Biotechnology
rabbit	CCAAT/enhancer-binding protein $\alpha$ (C/EBP $\alpha$ )	sc-61	Santa Cruz Biotechnology
rabbit	Insulin receptor $\beta$ (IR $\beta$ )	#3025 (4B8)	Cell Signaling Technology Inc.
mouse	Phosphotyrosine residues	sc-7020 (PY-99)	Santa Cruz Biotechnology
rabbit	Total extracellular signal- regulated kinase 1/2 (ERK1/2)	#9102	Cell Signaling Technology Inc.
mouse	Phospho-ERK (pERK)	sc-7383 (Phospho-Tyr204, E-4)	Santa Cruz Biotechnology
rabbit	Total Akt	sc-8312 (H-136)	Santa Cruz Biotechnology
rabbit	Phospho-Akt (pAkt)	sc-7985-R (Ser 473-R)	Santa Cruz Biotechnology
mouse	$\beta$ -actin	A5441	Sigma-Aldrich (Saint Louis, MO, USA)

## Human fibroblasts

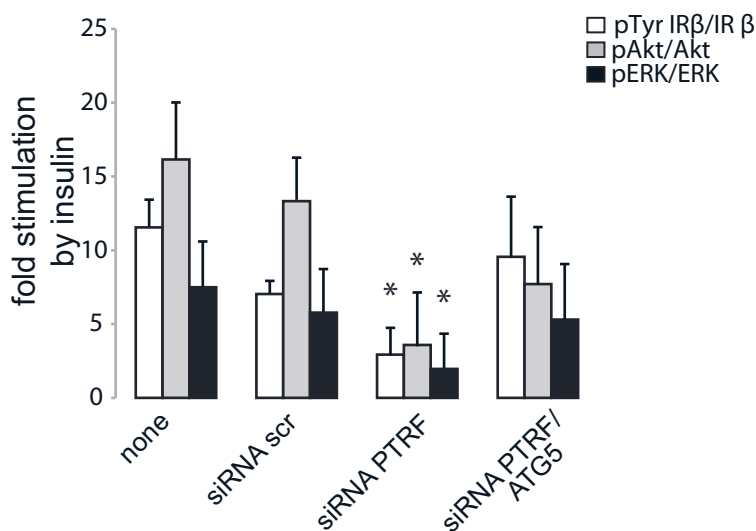
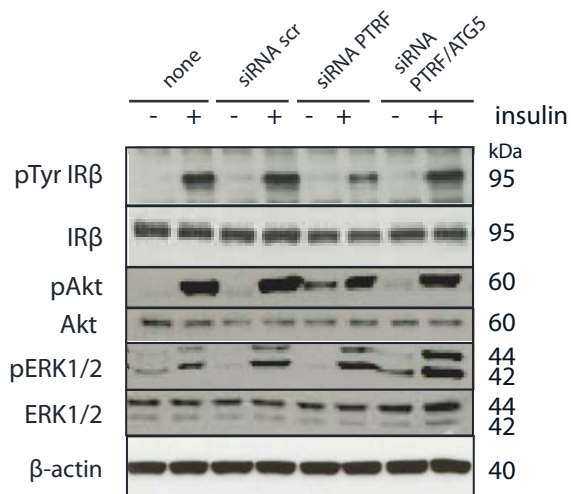
**A**



## B 3T3-F442A cells at D7 of adipocyte differentiation



**C**



## Supplemental Figure 1