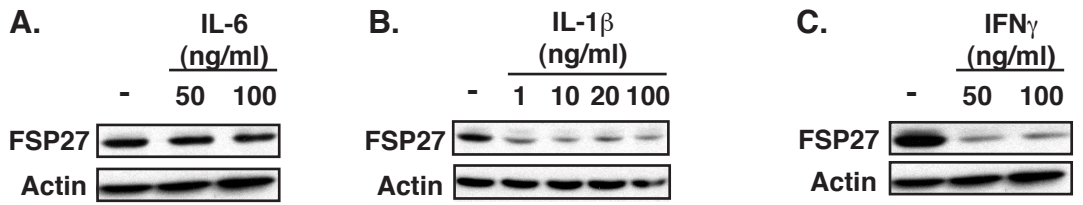


Supplementary Fig. 1. FSP27 protein expression is decreased by IL-1 β and IFN γ treatments but not IL-6. Mature 3T3-L1 adipocytes were treated with either 50,100 ng/ml IL-6 (A) or 1,10,20,100 ng/ml IL-1 β (B) or 50,100ng/ml IFN γ (C) and harvested for protein samples. Western blot analysis using FSP27 and Actin antibodies on cells harvested after 24 hr with IL-6 or IL-1 β or 48hrs treatment with IFN γ .

Supplementary Fig. 2. Lipolysis stimulated by FSP27 depletion or by TNF- α is dependent upon ATGL. 3T3-L1 adipocytes were electroporated with Scr, FSP27, ATGL, or FSP27 and ATGL siRNA on the fourth day of differentiation. On the sixth day cells were treated with 10 ng/ml TNF- α for 16 hr. Glycerol release in media after 16 hr of 10 ng/ml TNF- α treatment. Data shown is mean \pm S.E of five individual experiments, p-value calculated using ANOVA, p <0.05 . The attenuation of glycerol release after TNF- α treatment under ATGL KD and/or FSP KD is also significant (p <0.05).

Supplementary Figure 1



Supplementary Figure 2

