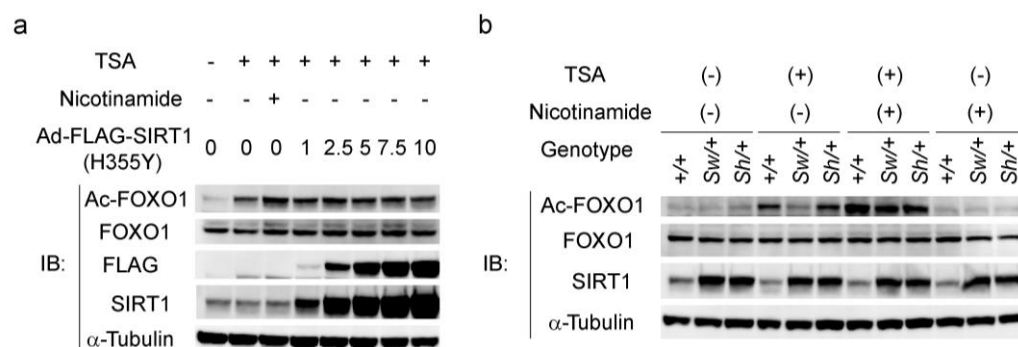


ESM Fig. 1



ESM Fig. 1, related to Fig. 1c. *Sirt1*-H355Y function as null-mutant, not dominant-negative *in vitro*. (a) Adenoviral over-expression of *Sirt1*-H355Y in hypothalamic N41 cells does not increase the acetylation of FOXO1. (b) *Sirt1*-H355Y expressed from the *Sh* locus does not increase the acetylation of FOXO1 in MEFs, whereas wild-type *Sirt1* expressed from the *Sw* locus promotes the deacetylation of FOXO1. Note that the presence of trichostatin-A is required to detect the effect of SIRT1 deacetylase activity on FOXO1.