

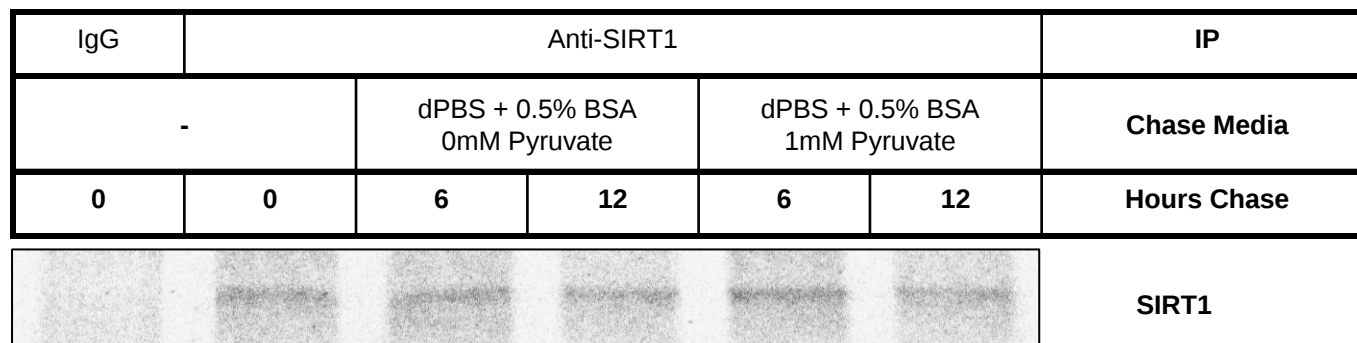
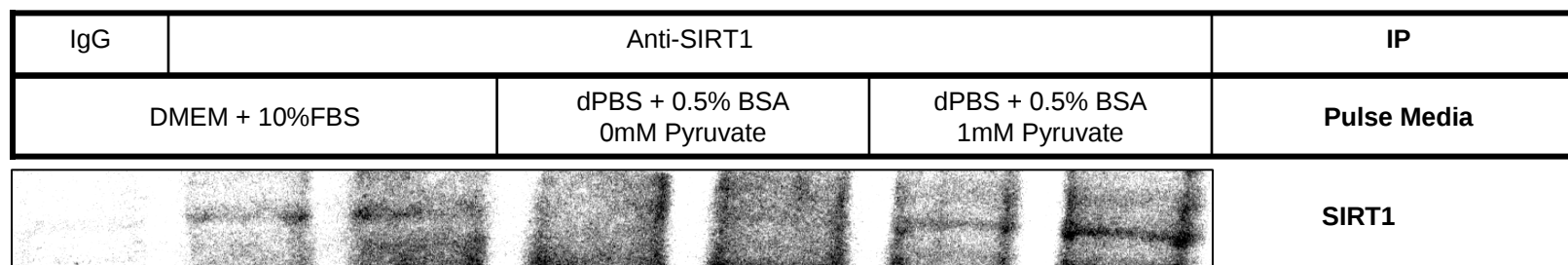
a**b**

Figure S2: SIRT1 regulation at protein level. **a** Pulse-Chase experiment was performed in FAO cells labeled with ^{35}S -Methionine for 20 hours in 80% DMEM (without Met and Cys) + 10% DMEM (with Met and Cys) + 10%FBS. After labeling cells were washed with PBS twice and incubated with indicated chase media. After chase cells were harvested with RIPA buffer and protein concentration was determined by DC Protein Assay (Bio-Rad). Equal amounts of total protein were subject to immunoprecipitation by anti-SIRT1 conjugated to Protein A agarose or by Protein A agarose with IgG. Pulse-chase experiments were performed 3 times on endogenous SIRT1 with similar results at times points ranging from 3 to 22 hours of chase. Pulse-chase experiments were also performed on exogenous overexpression of SIRT1 with similar results. **b** Pulse experiment was performed in FAO cells starved in DMEM (without met or cys) for 30 minutes then incubated in indicated Pulse media with ^{35}S -Methionine for 6 hours. After pulsing cells were harvested with RIPA buffer and protein concentration was determined by DC Protein Assay (Bio-Rad). Equal amounts of total protein were subject to immunoprecipitation by anti-SIRT1 conjugated to Protein A agarose or by Protein A agarose with IgG. Experiment performed twice with similar results.