Menin Upregulates FOXO1 Protein Stability by Repressing Skp2-mediated Degradation in β-Cells

SUPPLEMENTAL DIGITAL CONTENT

SUPPLEMENTAL FIGURE 1. Menin regulates the protein level of FOXO1 in STC-1 and TGP-61 cell lines. A-B, STC-1 cells and TGP-61 cells were transfected with vector or menin cDNA, and selected with puromycin (2 μg/ml) for 4 days. The resulting cells were used for Western blot with indicated antibodies. C, STC-1 cells were transfected with vector or ShMen1 DNA, and selected with puromycin (2 μg/ml) for 4 days, followed by Western blot with indicated antibodies. β-actin was used as reference.
SUPPLEMENTAL FIGURE 2. Binding of Menin at FOXO1 promoter in INS-1 cells. ChIP assays were performed using anti-menin antibody or the cognate antibody for detecting the binding of menin at the promoters of FOXO1 in INS-1 cells transfected with menin or vector. Control IgG served as a negative control for ChIP assays.