



Figure S4. Increased phosphorylation of AMPK downstream substrate depends on the presence of AMPK-activating upstream kinase CamKK β . AMPK 221WT preactivated with CamKK β in kinase buffer with cold ATP and glutathionylated with 0,1 mM glutathione in presence or absence of GSTM1 or -P1, both as described in Figs 6 and 7, were incubated with ACC (200 pmol) and [γ - 32 P]ATP. *In vitro* phosphorylation assays were analyzed by SDS-PAGE, Ponceau protein staining (lower panel) and Typhoon phosphoimager (upper panel) are shown. Note: AMPK autophosphorylation in particular of the α -subunit.