

Supplements

The p53 and Calcium Regulated Actin Rearrangement in Model Cells

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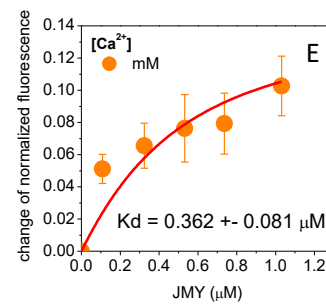
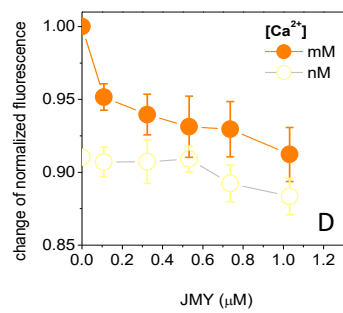
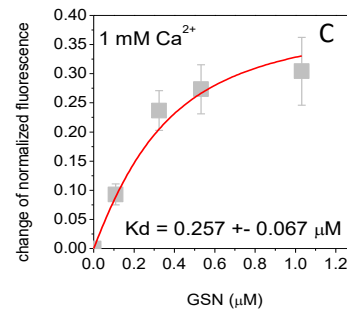
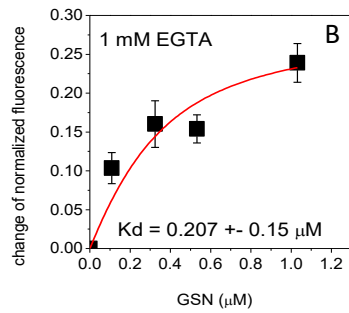
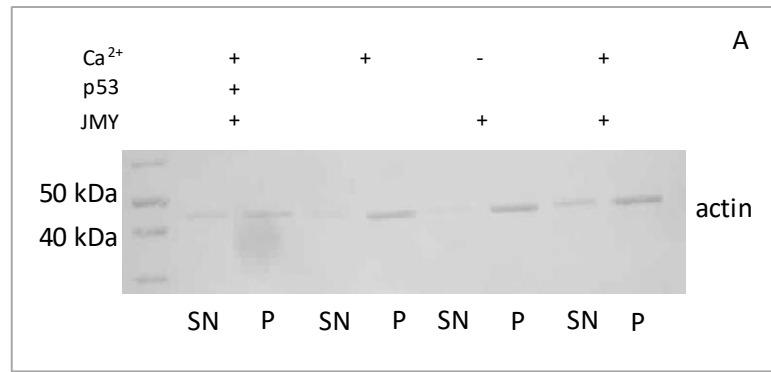


Figure S1. (A) SDS-PAGE of filamental actin (2 μM) cosedimentation with p53 (0.1 μM) and/or JMY (0.1 μM). (B) Normalized fluorescence change of 0.5 μM p53Alexa488p53 shows high affinity to the GSN ($K_d = 0.207 \pm 0.15 \mu\text{M}$) which is almost the same as in case of (C) p53 dimers in the presence of Ca²⁺ ($K_d = 0.257 \pm 0.067 \mu\text{M}$). (D,E) The p53 can bind to JMY in the presence ($K_d = 0.362 \pm 0.081 \mu\text{M}$) but cannot in the absence of Ca²⁺. The data presented were derived from at least 3 independent experiments. Values are displayed as the mean $\pm$ standard deviation.