

File name: Supplementary Movies 1-3

Description: Time-lapse imaging of the nuclear translocation of ERK. HEK293 cells stably expressing either HA-MEK1 (Supplementary movie 1), HA-MEK1(F53S) (Supplementary movie 2) or HA-MEK1(K57N) (Supplementary movie 3) were stimulated with EGF (5 ng/ml). The localization of ERK1-GFP was monitored with a time-lapse microscopy system every 90 sec over a period of 30 min. The mean percentage of nuclear-localized ERK during EGF stimulation was plotted and is shown in Fig. 4d.