Supplementary Material

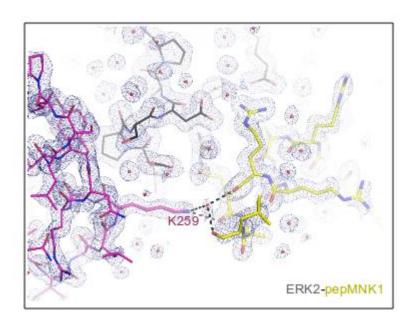


Figure S1. Peptide mediated crystal packing interactions in the ERK2-pepMNK1 complex.

Lys259 from an ERK2 symmetry mate (in magenta) forms crystal packing interactions (direct and water mediated H-bonds) to pepMNK1 (in yellow) bound to ERK2 (in gray). (2*F*o-*F*c map with the final ERK2 WT-pepMNK1 model contoured at 1σ. PDB ID: 2Y9Q; Garai et al., 2012)

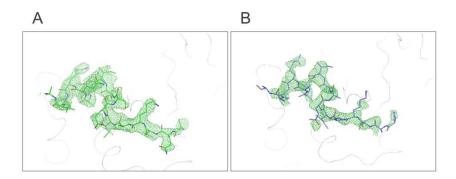


Figure S2. Electron density maps for MAPK-docking peptides complexes.

- (A) F_o - F_c simulated annealing omit maps contoured at 2σ for the ERK2_AA-pepRSK1 complex.
- (B) F_o - F_c simulated annealing omit maps contoured at 2σ for the ERK2_AA-pepRSK1_SQAA complex.