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Supporting information for article:

Structural insights into the recognition of phosphorylated

Hop1 by Mek1

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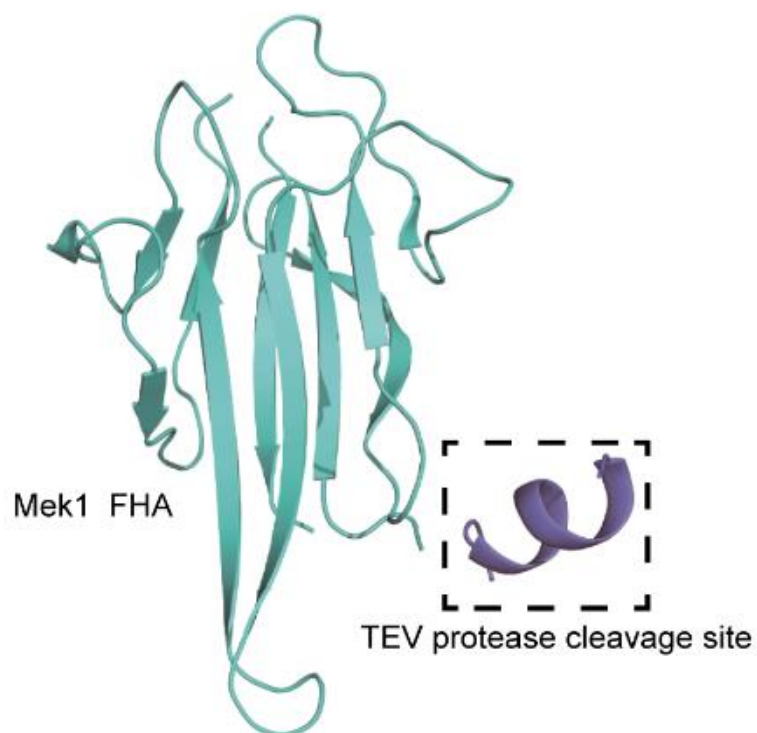


Figure S1 Cartoon representation of the Mek1 FHA domain including the TEV-cleavage site. The apo Mek1 FHA domain is shown in cyan. Residues of the TEV protease cleavage site are shown in blue.

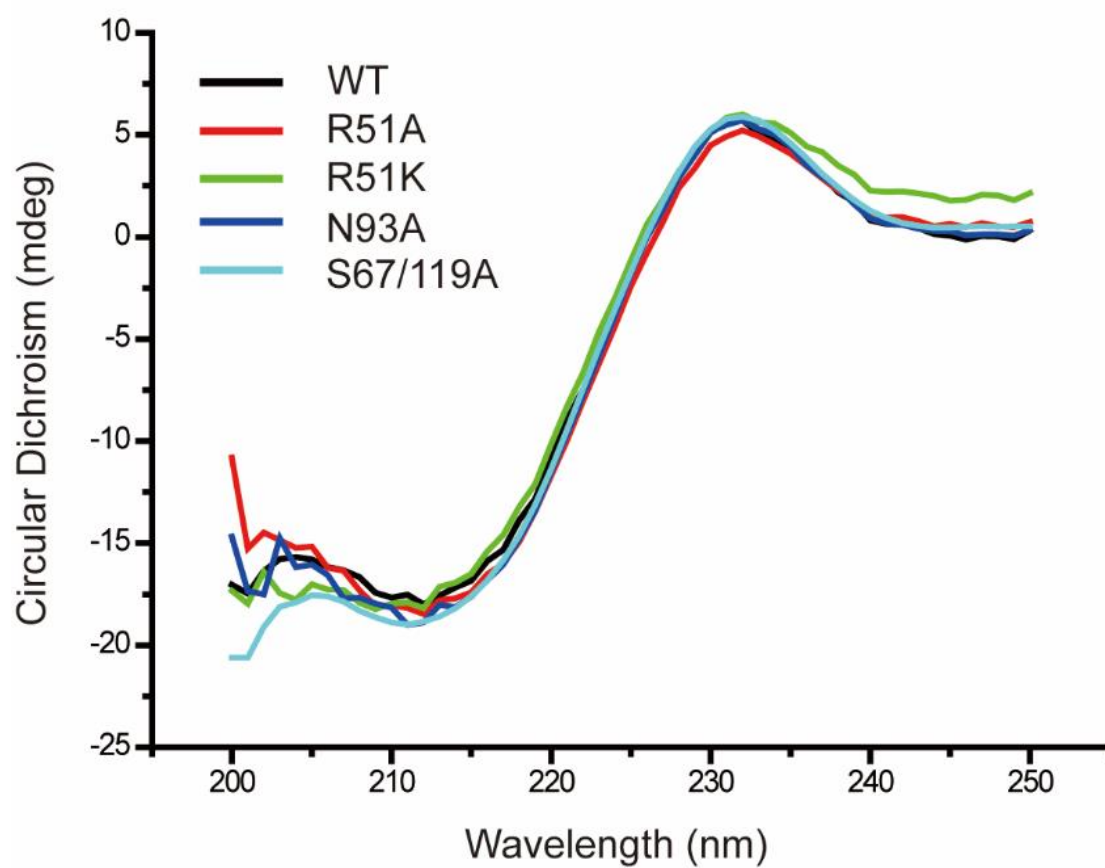


Figure S2 The CD measurements of the Mek1 FHA domain and its mutants R51A, R51K, N93A and S67/119A.

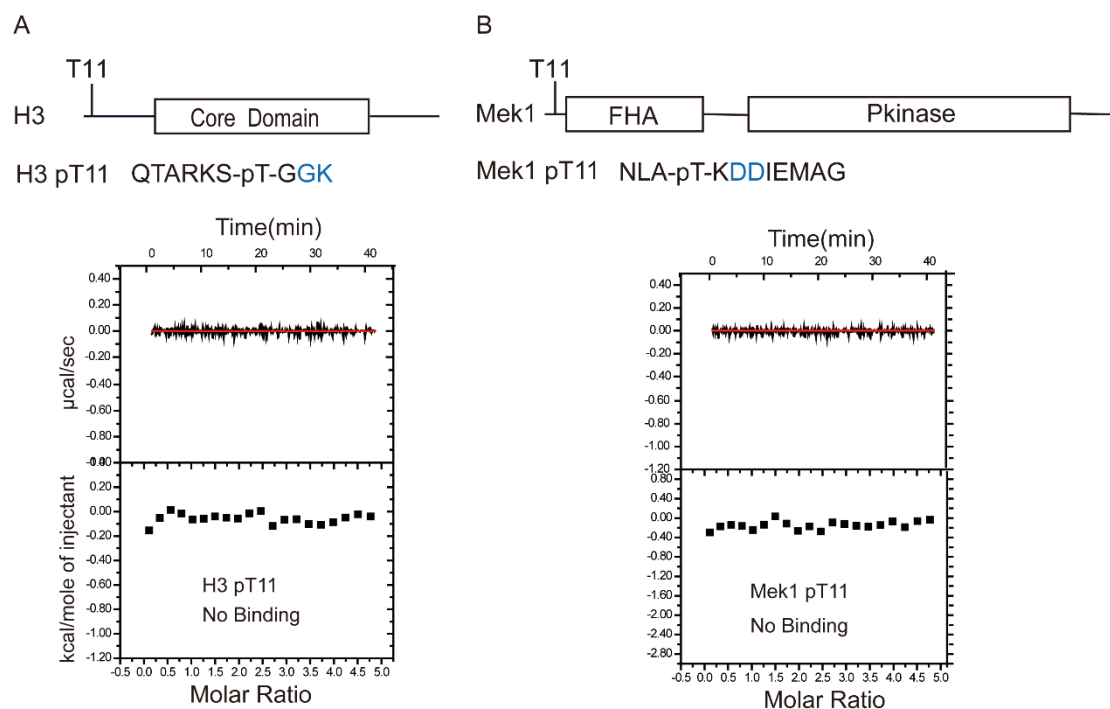


Figure S3 ITC assays for determining the interactions between the Mek1 FHA domain and the H3 pT11 (A) and Mek1 pT11 (B) peptides. The Mek1 FHA domain does not interact with the Mek1 pT11 and H3 pT11 peptides. Residues at the pT+2 and pT+3 positions are colored blue.

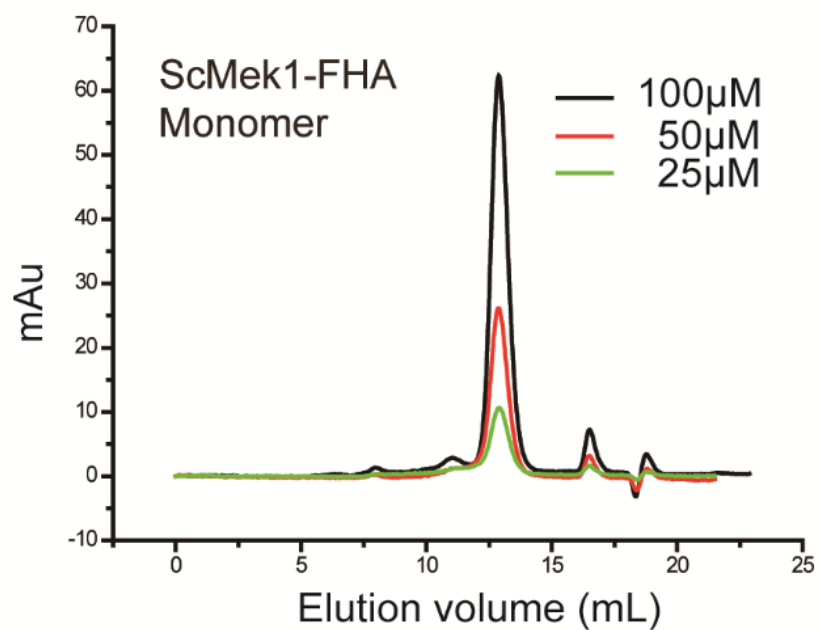


Figure S4 Size-exclusion chromatography profiles of the ScMek1 FHA domain at increasing concentrations. Green profile at 25 μM ; red profile at 50 μM ; black profile at 100 μM . The purification column is the Superdex 75 10/300GL (GE Healthcare).