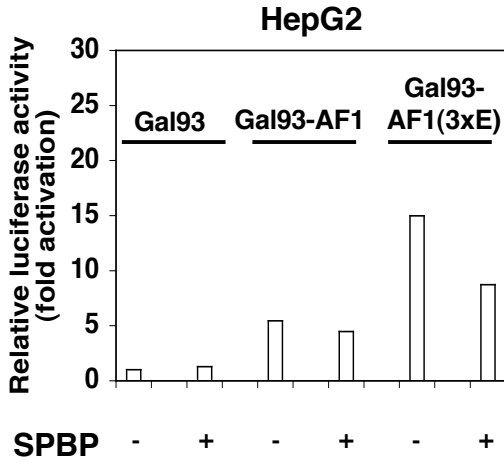


Supplemental Material figure

Repression by SPBP is specific for the activated ER α AF1. (A) SPBP specifically represses the activity of the phosphoserine mimic AF1(3xE) tethered to DNA by the Gal4 DNA binding domain (Gal93). (B) SPBP represses an ER α -GR chimera containing the ER α AF1 and DBD (ER.GR, activated with dexamethasone) but not one with the GR AF1 and DBD fused to the ER α HBD (GR.ER). (C) SPBP does not repress ER β activity. In this experiment, ER β (and its AF1) was activated by EGF in the absence of estrogen. (D) SPBP represses ER α activated by the dioxin receptor (the AhR/Arnt heterodimer). 1 μ M 3-methyl-cholanthrene (3MC) was used to activate the dioxin receptor. Except for panel B, the bar graphs of panels A and D, and C represent averages of duplicates and triplicates, respectively, of representative experiments.

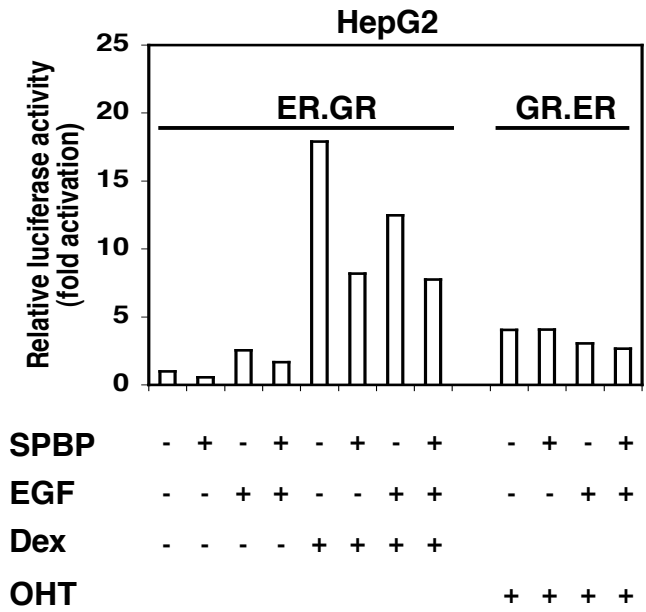
SUPPLEMENTAL MATERIAL

A



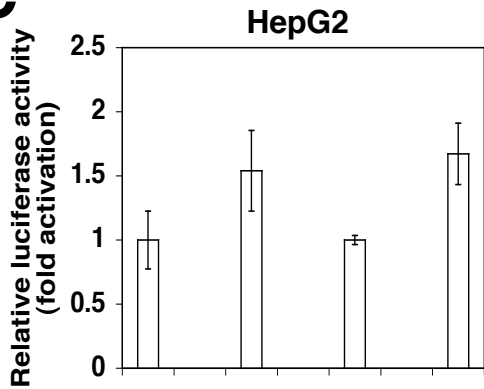
SPBP - + - + - +

B



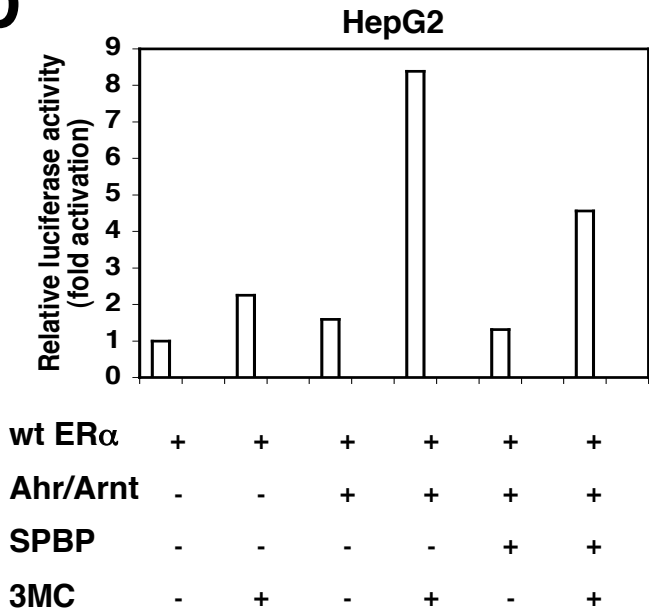
SPBP - + - + - + - +
EGF - - + + - - + +
Dex - - - - + + + +
OHT + + + +

C



ERβ + + + +
EGF - + - +
SPBP - - + +

D



wt ERα + + + + + +
Ahr/Arnt - - + + + +
SPBP - - - - + +
3MC - + - + - +