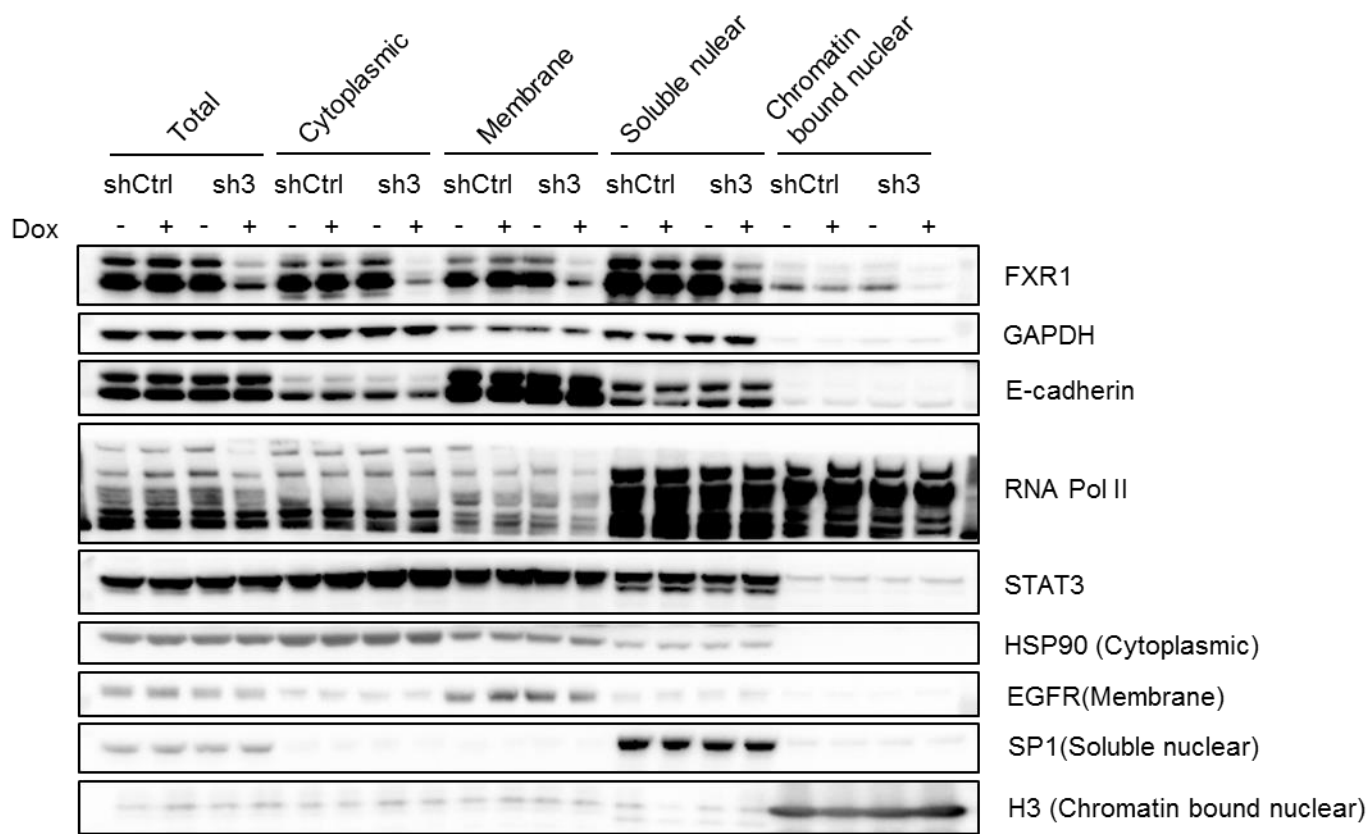
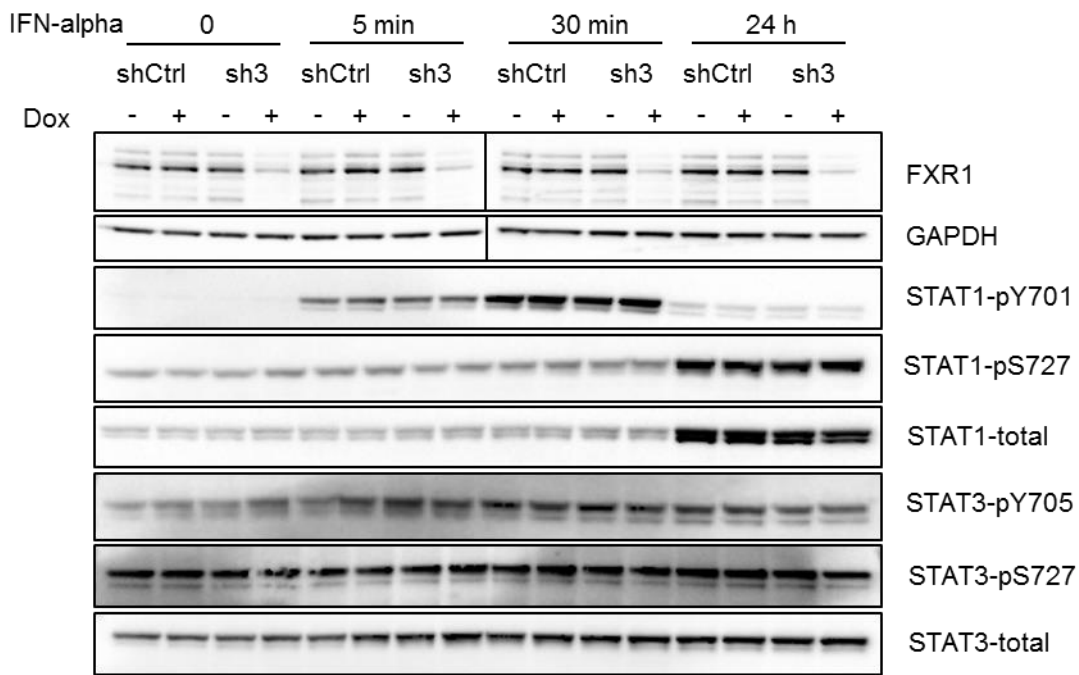


Fig 4-S1

A



B



**Figure 4—Figure Supplement 1. FXR1 knockdown doesn't affect the cytoplasm-nucleus shuttling or phosphorylation of STATs.**

(A) H358/FXR1-sh3 (sh3) and H358/control shRNA (shCtrl) cells are treated with Dox for three days. The fraction of cytoplasm, membrane, soluble nucleus, and chromatin-bound nucleus are separated using Subcellular Protein Fractionation Kit for Cultured Cells (Thermo scientific, 78840) and subjected to protein detection in WB assay to determine STAT translocation. HSP90, EGFR, SP1, and histone H3 are used as the markers of the different cellular fraction respectively.

(B) H358/FXR1-sh3 (sh3) and H358/control shRNA (shCtrl) cells are stimulated with IFN-alpha ( $4.25 \times 10^4$  U/ml, Millipore, Cat #IF007) for up to 24 hrs. The cell lysate are subjected to protein detection in WB assay to measure STAT phosphorylation.