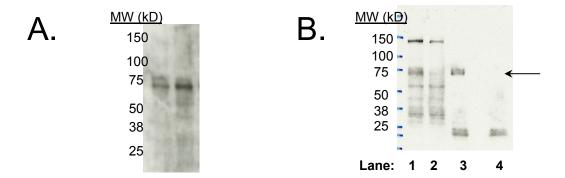
ENCODE DCC Antibody Validation Document

Date of Submission
Name: Email:
Lab
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Company/
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Catalog Number, database ID, laboratory Lot Number
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Validation #1 Analysis					
Insert Validation Image (click here)					

Antibody: HSF1 Source: Santa Cruz Biotechnology sc-17756

Validation 1: Immunoblotting/Immunoprecipitation



A. Western blot using sc-17756.Both shown lanes contain nuclear lysates from HepG2 cells stimulated with forskolin. (Lane 1), **B.** Immunoprecipitation of HSF1 from forskolin-stimulated HepG2 cells using sc-17756. Lane 1: input nuclear lysate, Lane 2: unbound material from immunoprecipitation with sc-17756, Lane 3: material immunoprecipitated using control IgG.

Validation #2 Analysis						
Insert Validation Image (Click here)						
insert variation image (click fiere)						

Table 1. HSF1 motif enrichment.

Cell Line	Motif Enrichment (log2)	Enrichment p-value	Fraction of peaks containing
		(-log10)	motif
HepG2 (forskolin)	2.65737 (Hsf_known3)	55.9022 (Hsf_known2)	0.160602 (Hsf_known2)

Figure 2. Motif consensus sequences and position weight matrices for highly enriched HSF1 motif.

