ENCODE DCC Antibody Validation Document

Date of Submission

Name:

Email:

Lab

Antibody Name:

Target:

Company/ Source:

Catalog Number, database ID, laboratory

Lot Number

Antibody Description:

Target Description:

Species Target

Species Host

Validation Method #1

Validation Method #2

Purification Method

Polyclonal/ Monoclonal

Vendor URL:

Reference (PI/ Publication Information)

Please complete the following for antibodies to histone modifications:
if your specifications are not listed in the drop-down box,
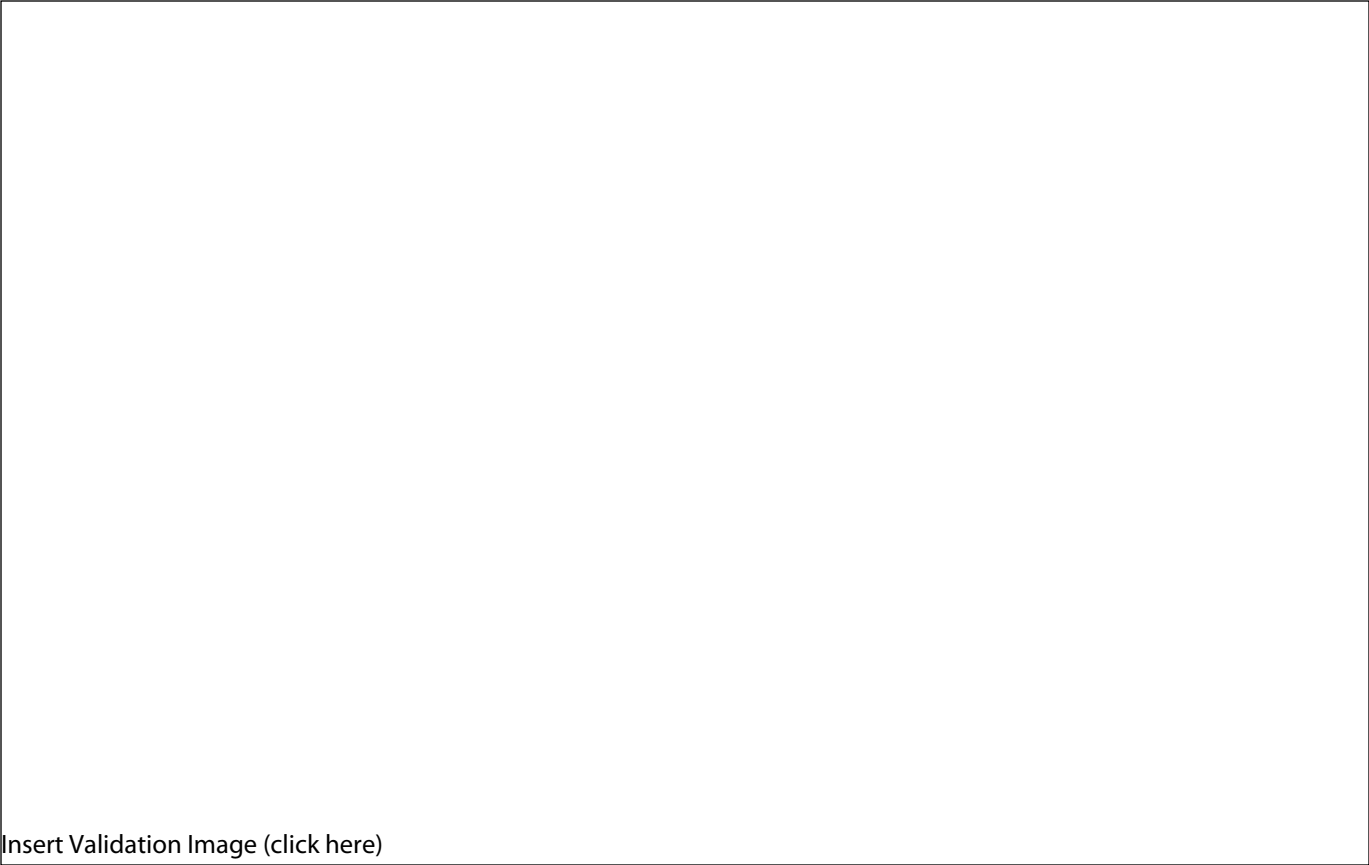*please write-in the appropriate information*

Histone Name

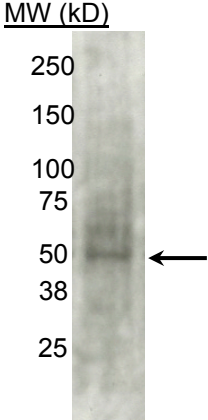AA modified

AA Position

Modification

Validation #1
Analysis

Insert Validation Image (click here)

sc-66882 (ERRα)
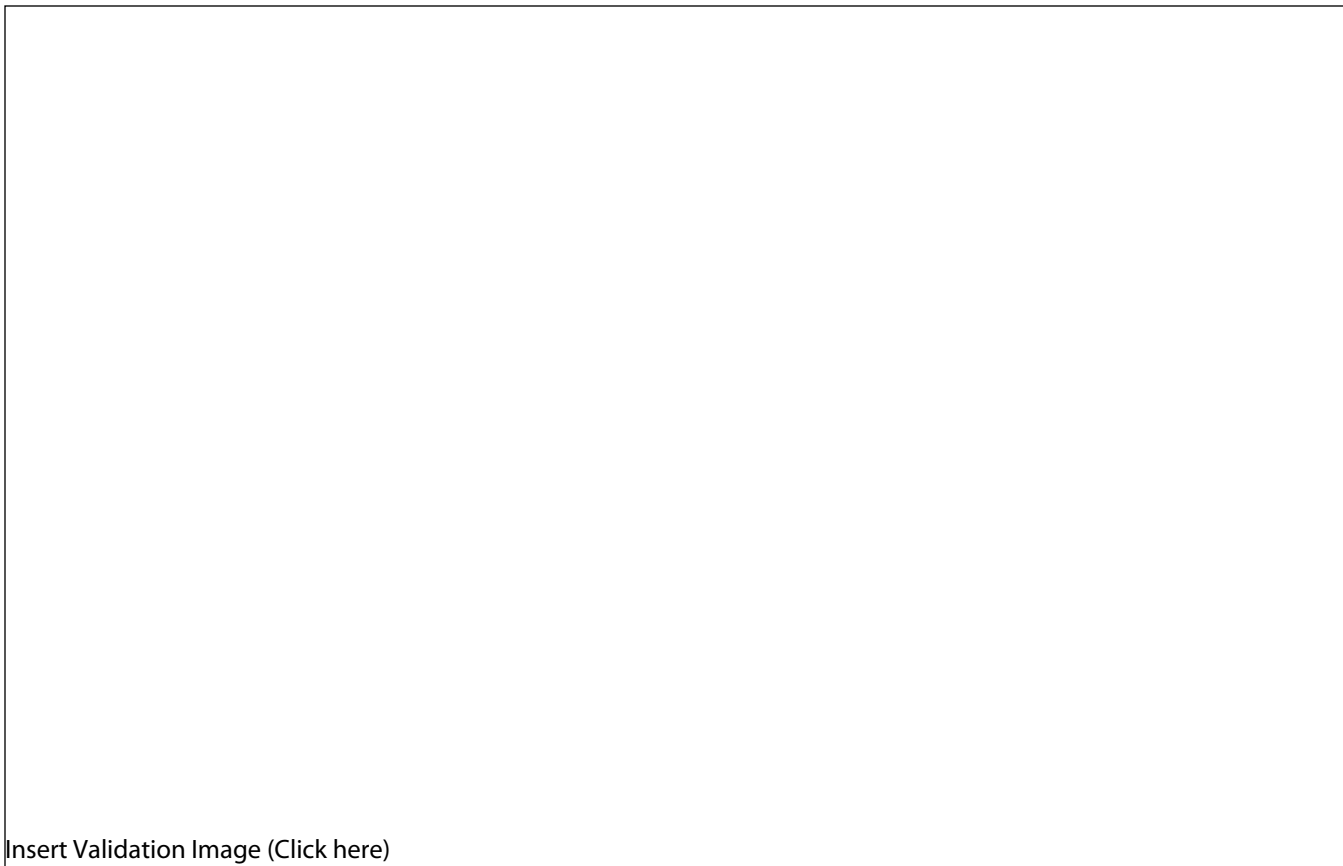# Immunoblot

MW (kD)

250

150

100
75

50 ←

38

25

Immunoblot using sc-66882 with nuclear extracts from the HepG2 cell line.

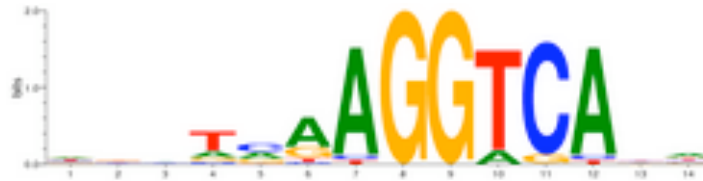Validation #2
Analysis

Insert Validation Image (Click here)

- **Table 1.** ERRA motif enrichment.

Cell Line	Motif Enrichment (log2)	Enrichment p-value (-log10)	Fraction of peaks containing motif
HepG2 (forskolin)	3.42599	114.227	0.362288

- **Figure 2.** Motif consensus sequence and position weight matrix for highly enriched ERRA motif.

ERRA_known1


```
>ERalpha-a_known1 ERR-alpha_transfac_M00511 +
```

Position/Consensus	A	C	G	T
W	0.360000	0.160000	0.160000	0.320000
B	0.160000	0.240000	0.320000	0.280000
N	0.320000	0.280000	0.200000	0.200000
W	0.200000	0.080000	0.120000	0.600000
V	0.320000	0.400000	0.240000	0.040000
R	0.640000	0.040000	0.240000	0.080000
A	0.920000	0.040000	0.000000	0.040000
G	0.000000	0.000000	1.000000	0.000000
G	0.000000	0.000000	1.000000	0.000000
T	0.120000	0.000000	0.000000	0.880000
C	0.000000	0.920000	0.080000	0.000000
A	0.920000	0.040000	0.000000	0.040000
N	0.200000	0.240000	0.200000	0.360000
W	0.440000	0.160000	0.160000	0.240000