

# ENCODE DCC Antibody Validation Document

Date of Submission

Name:

Email:

Lab

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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)

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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

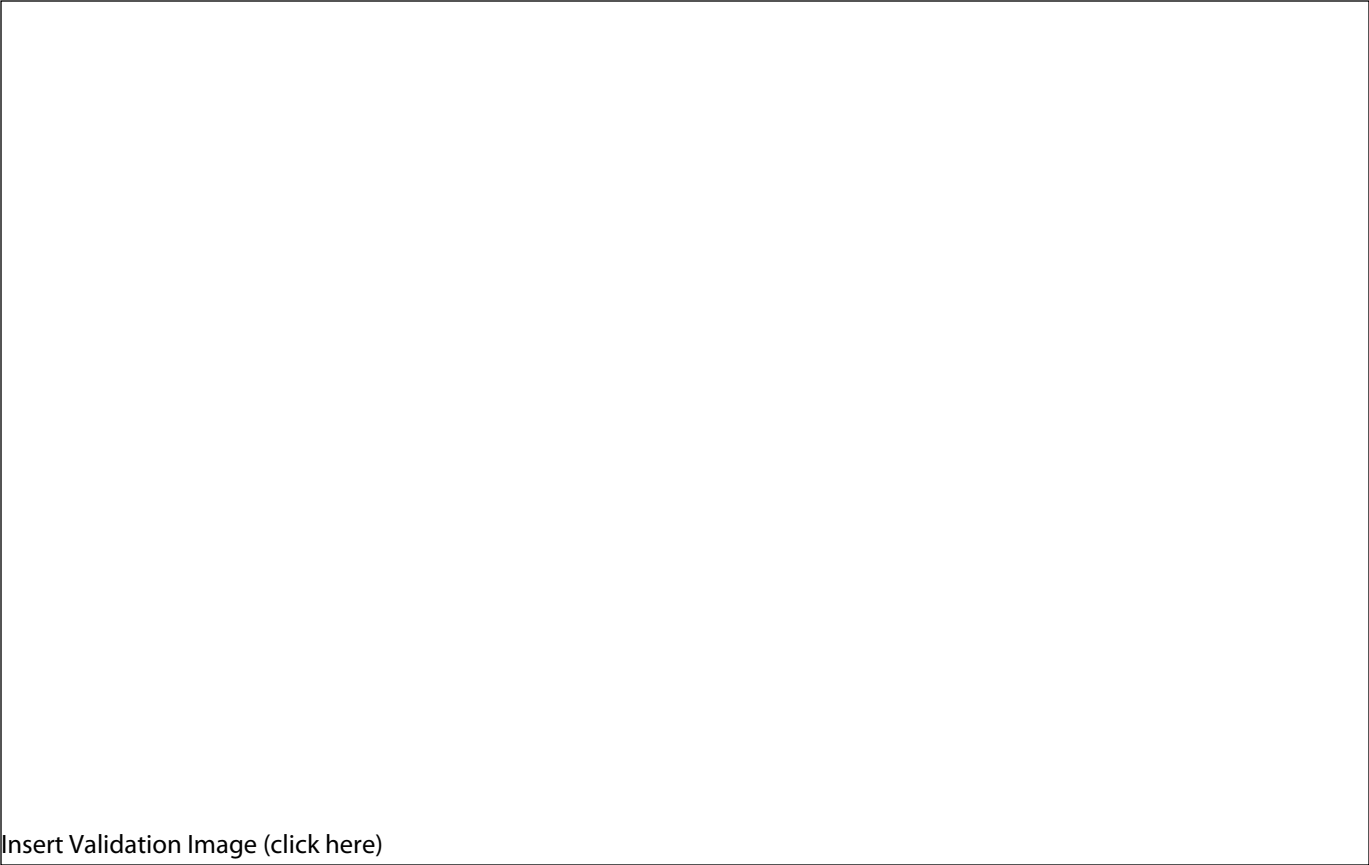
AA Position

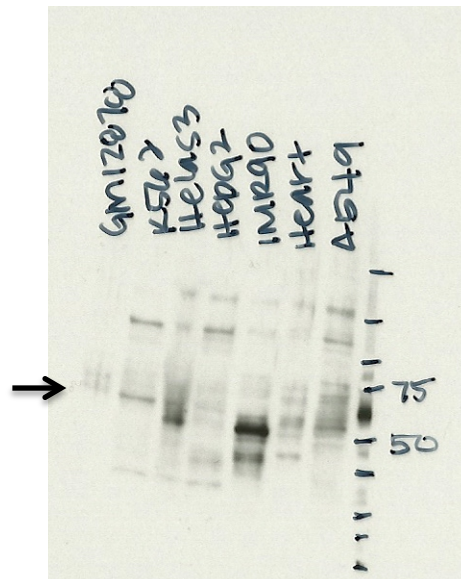
Modification

Validation #1  
Analysis



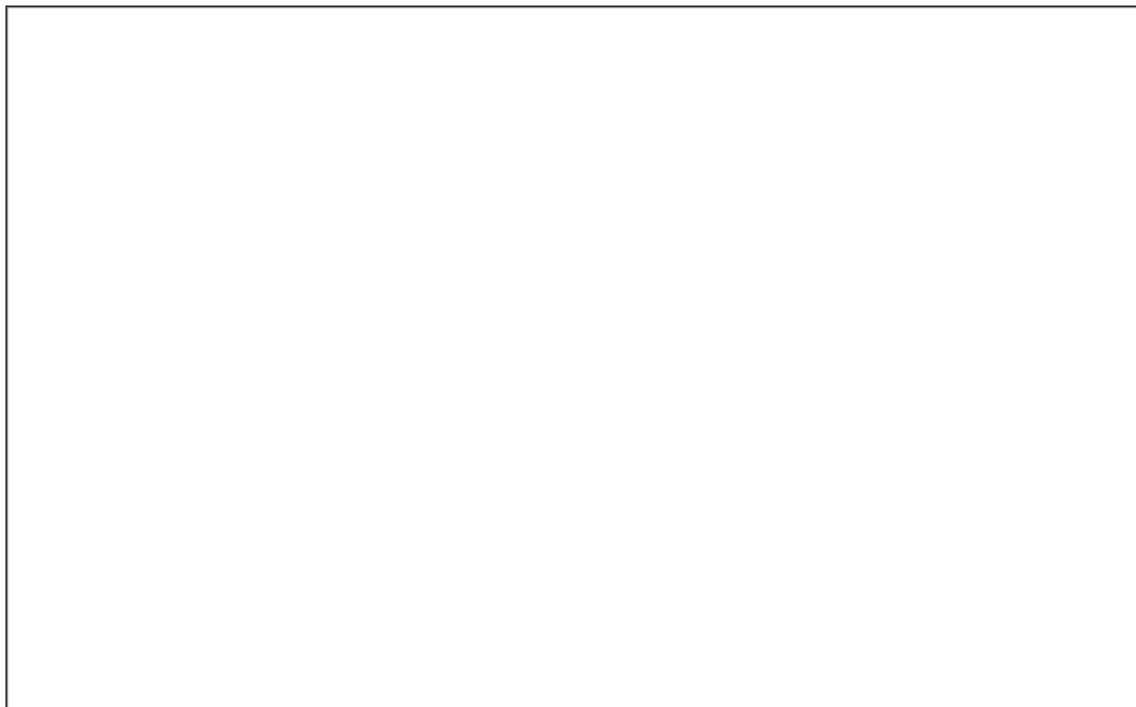
Insert Validation Image (click here)





Western Blot analysis of nuclear extracts from GM12878, K562, HeLaS3, HepG2, IMR90, Human Heart and A549 cells using anti c-Fos antibody from Santa Cruz Biotechnologies (sc7202). Expected protein band 62 kD.

Validation #2  
Analysis



Insert Validation Image (Click here)

Fig. 1 c-Fos motif enrichment

Cell Line	Motif enrichment (log 2)	Fraction of Peaks containing motif
Helas3	4.3865	0.2469
Huvec	3.7387	0.1801
K562	4.5543	0.1503
Mcf10	4.1810	0.1770

Fig. 2 Motif enrichment sequence and position weight matrix for the highly enriched c-Fos motif



AP-1\_known3 AP-1\_3#known AP-1\_transfac\_M00926 -  
V 0.403361 0.252101 0.243697 0.100840  
T 0.000000 0.000000 0.008403 0.991597  
G 0.016807 0.008403 0.941177 0.033613  
A 0.991597 0.000000 0.008403 0.000000  
C 0.084034 0.722689 0.142857 0.050420  
T 0.142857 0.109244 0.109244 0.638655  
H 0.184874 0.546218 0.042017 0.226891  
A 0.714285 0.159664 0.058824 0.067227