

# 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*

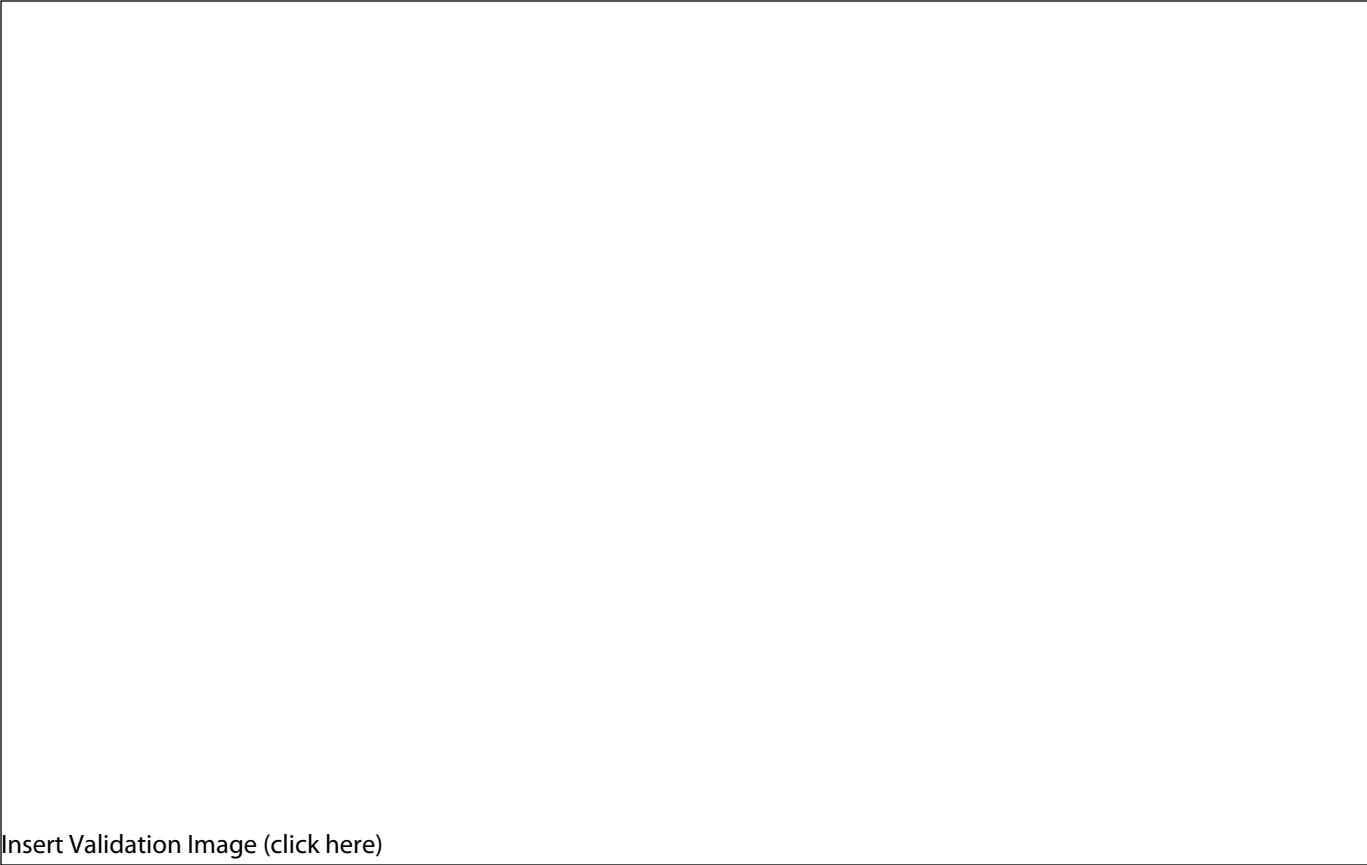
Histone Name

AA modified

AA Position

Modification

Validation #1  
Analysis



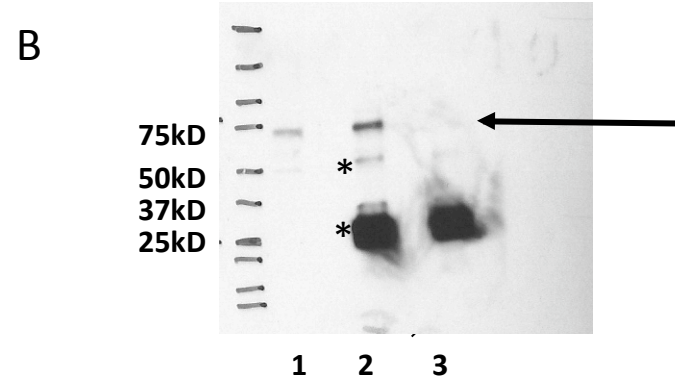
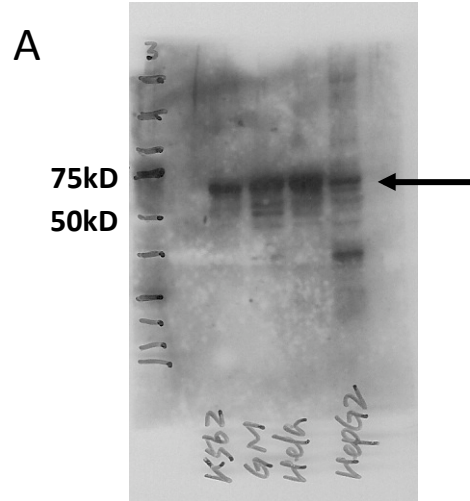
Insert Validation Image (click here)

**Antibody: RFX5    Source: Rockland #200-401-194**

**Figure 1: Immunoblotting/Immunoprecipitation**

Arrow indicates band detected by Rockland antibody 200-401-194 consistent with expected size (65kD) of RFX5 in nuclear lysates from (left to right): K562, GM12878, HeLaS3, and HepG2 cell lines.

Arrow indicates immunoprecipitated (IP) band of expected size from HeLaS3 nuclear lysates. Lane 1= HeLaS3 nuclear lysate, Lane 2= bound material from HeLaS3 IP with 200-401-194, Lane 3= bound material from control IgG IP from HeLaS3. IPs were performed with the ExactaCruz reagent (Santa Cruz Biotechnology), so the intensities of IgG bands (indicated by \*), particularly the heavy chain at 55kD, are diminished.



Validation #2  
Analysis



Insert Validation Image (Click here)

**Table 1.** RFX5 motif enrichment.

Cell Line	Motif Enrichment (log2)	Enrichment p-value (-log10)	Fraction of peaks containing motif
GM12878	2.64148	203.846	0.195876
H1-hESC	3.36223	237.855	0.378431
HepG2	2.96118	415.584	0.239672

**Figure 2.** Motif consensus sequences and position weight matrices for highly enriched RFX5 motif.

