

# 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

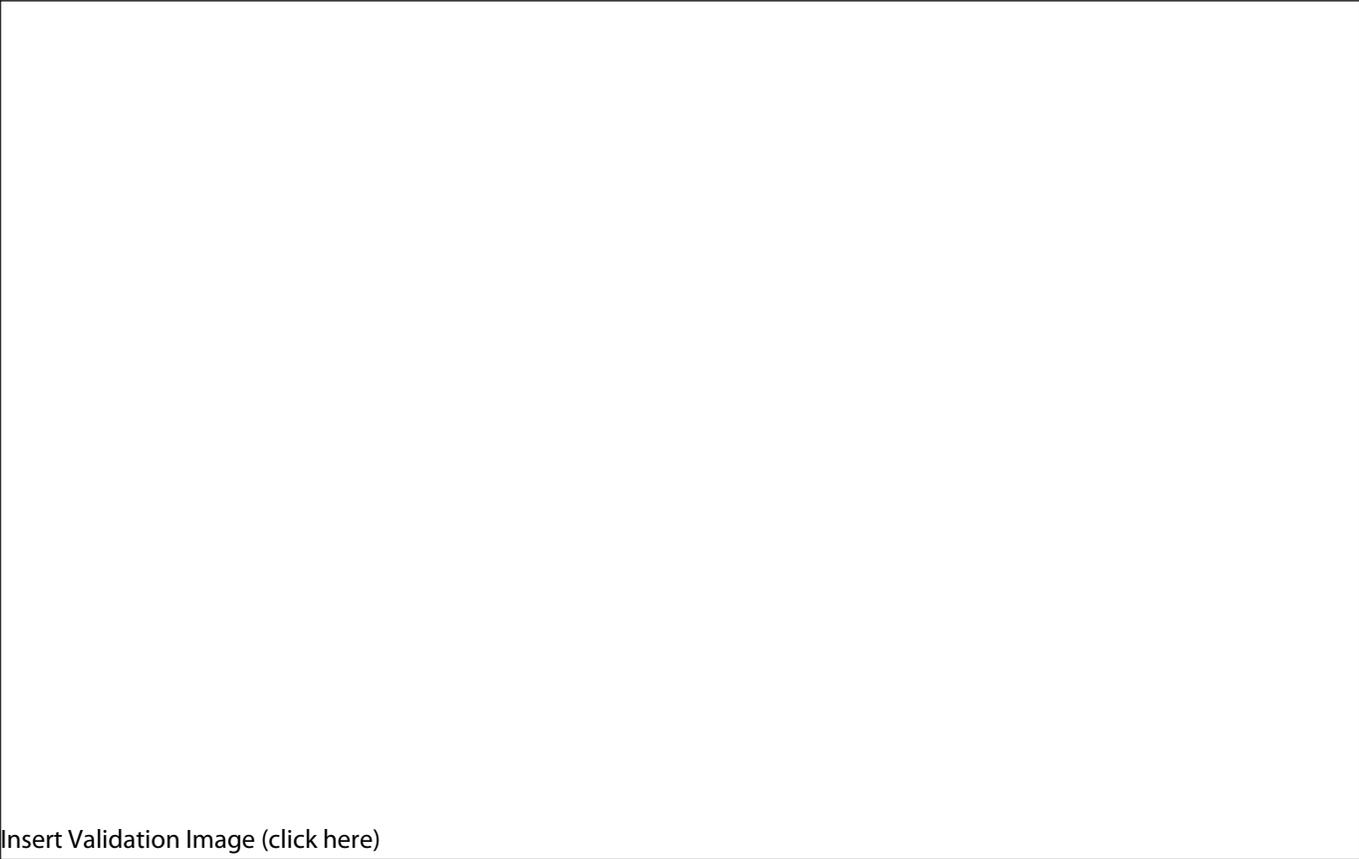
AA Position

Modification

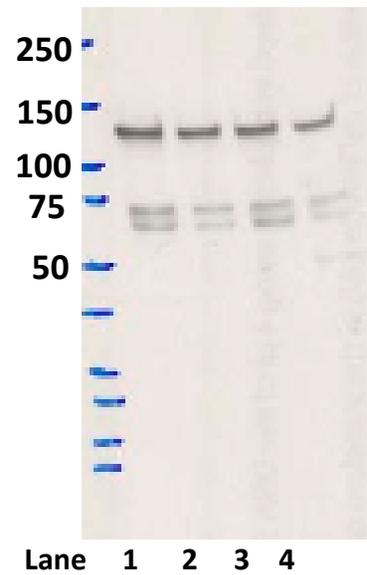
Validation #1  
Analysis



Insert Validation Image (click here)

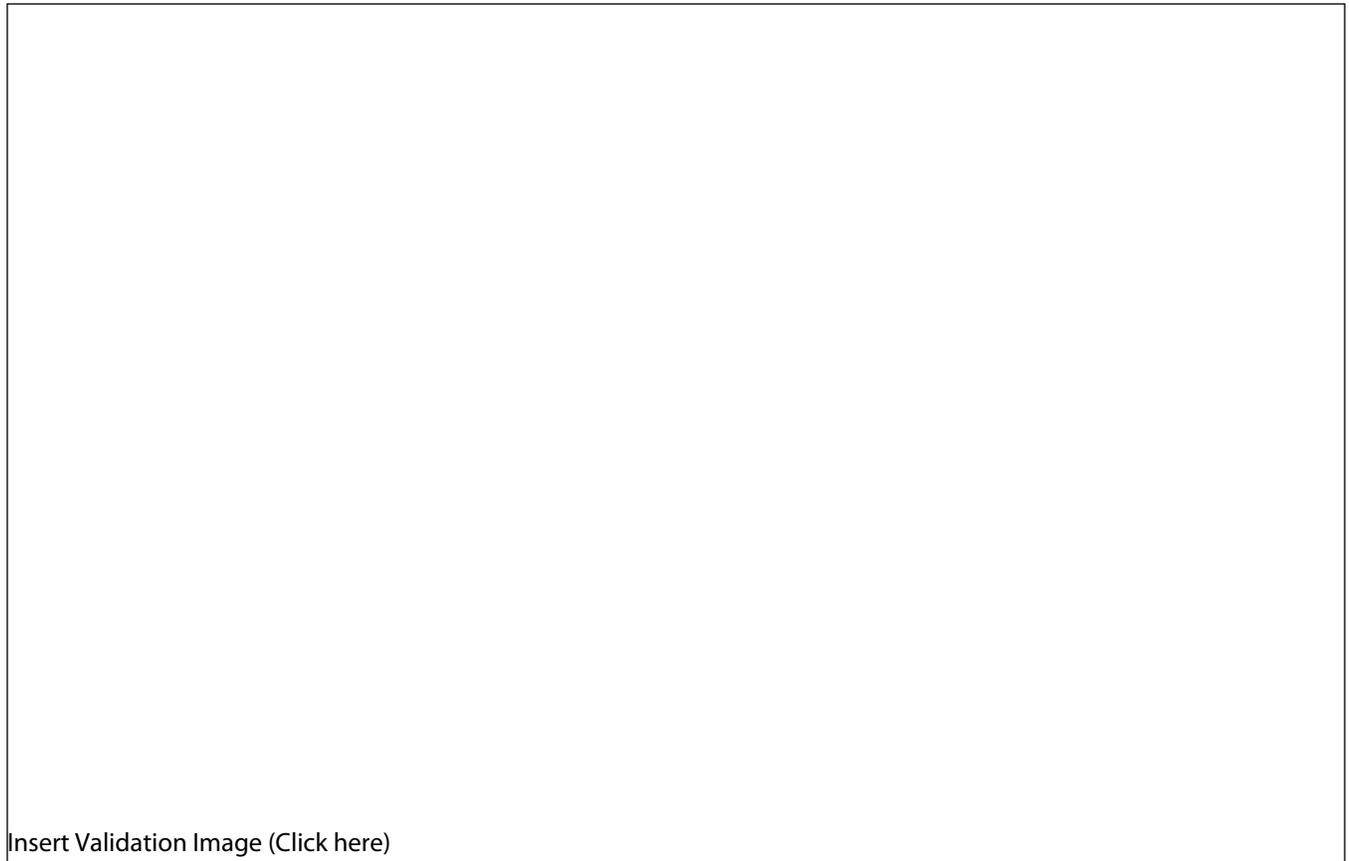
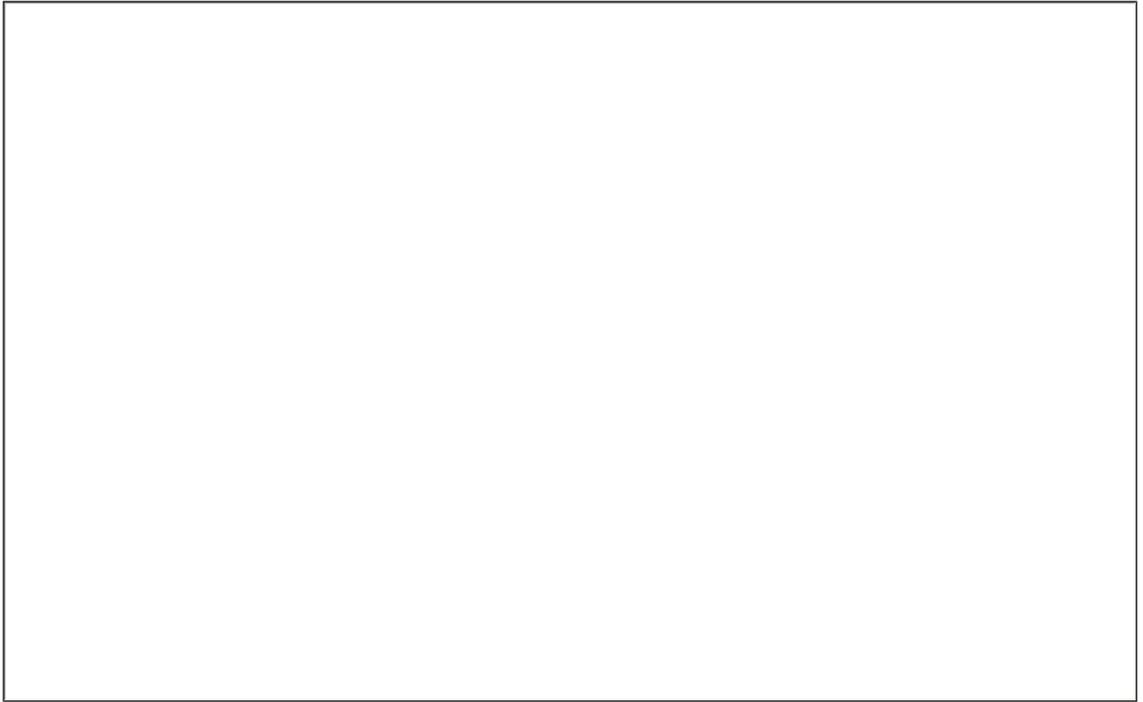


## ab992 (Rad21) Immunoblot



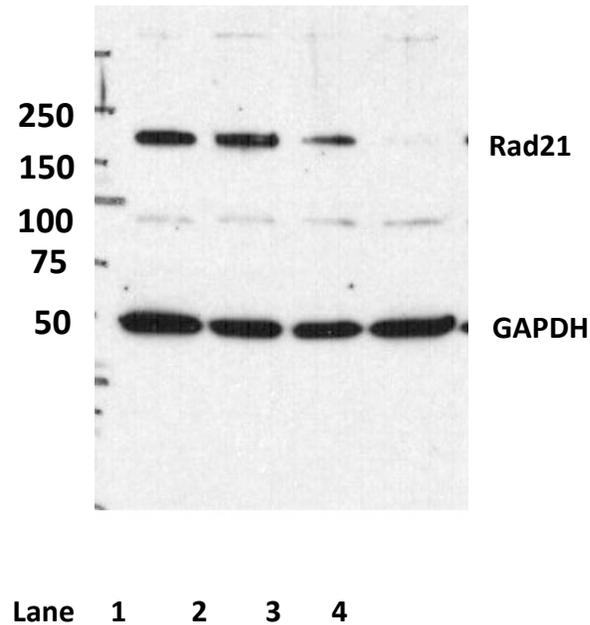
Western blot using ab992. Lane 1: nuclear lysate from K562 cells, Lane 2: nuclear lysate from GM12878 cells, Lane 3: nuclear lysate from HeLaS3 cells, Lane 4: nuclear lysate from HepG2 cells.

Validation #2  
Analysis



Insert Validation Image (Click here)

Figure 2 siRNA knockdown of Rad21



K562 cells ( $1 \times 10^6$  cells), grown according to ENCODE protocols (<http://genome.ucsc.edu/ENCODE/dataStandards.html>) were transfected with 100 pmol siRNA using the DharmaFECT 1 transfection reagent (Cat# T-2001-03) according to manufacturer's instructions. Cells were harvested 72 hours after transfection. Cells were transfected with a control, non-targeting siRNA (Lane 1), untransfected (Lane 2), Dharmacon siRNA J-006832-06 from siRNA set LU-006832-00-0002 against Rad21 (Lane 3), Dharmacon siRNA J-006832-07 from siRNA set LU-006832-00-0002 against Rad21 (Lane 4).