

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

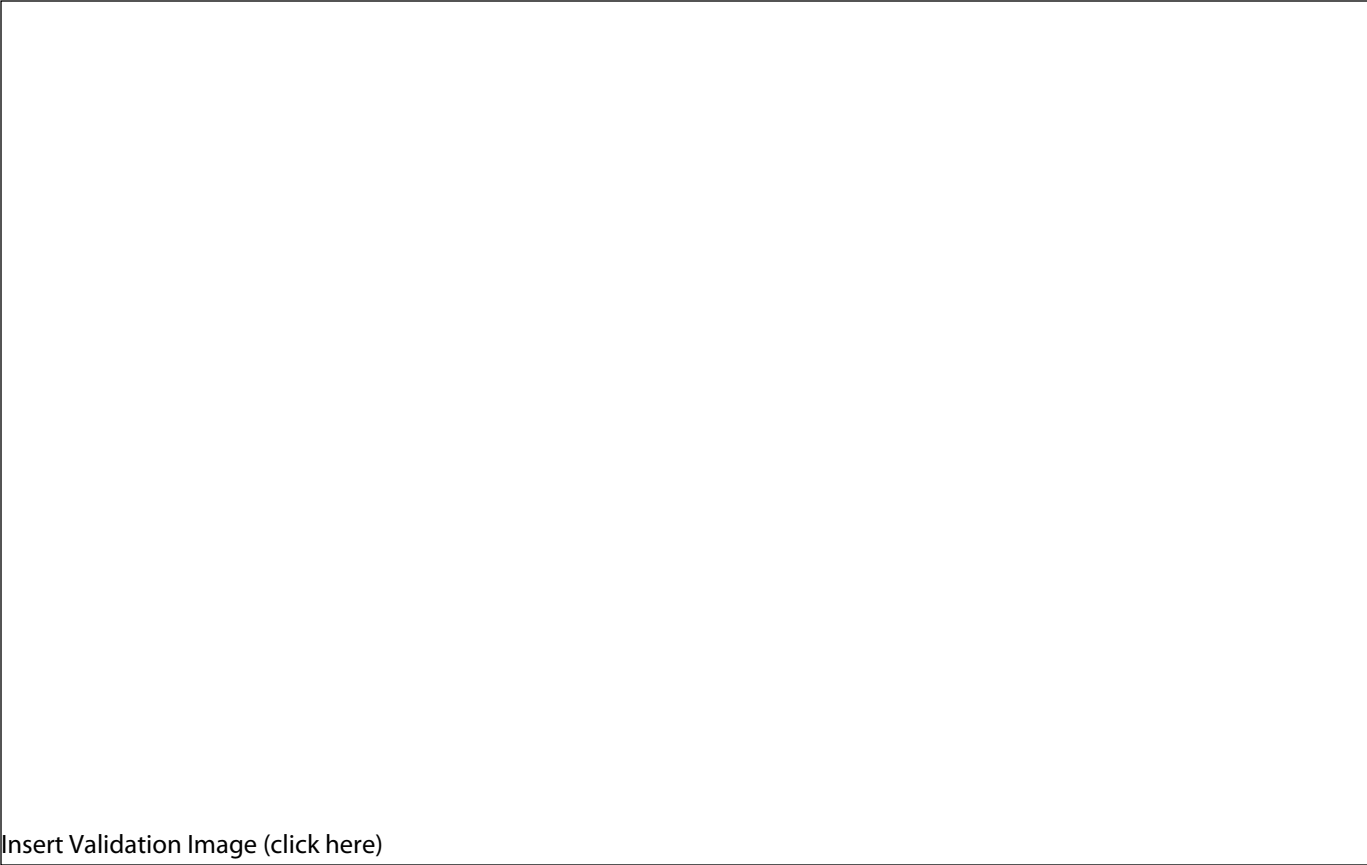
AA Position

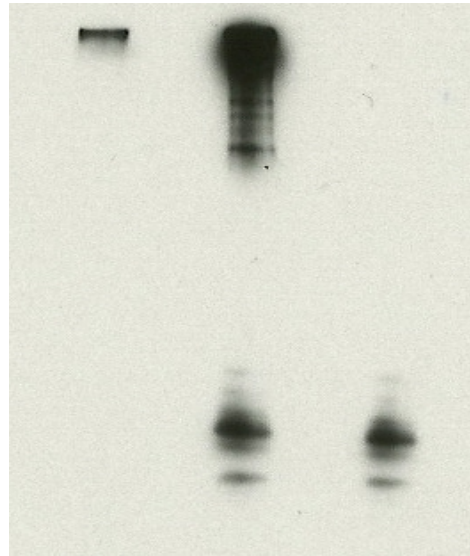
Modification

Validation #1
Analysis



Insert Validation Image (click here)





1 2 3

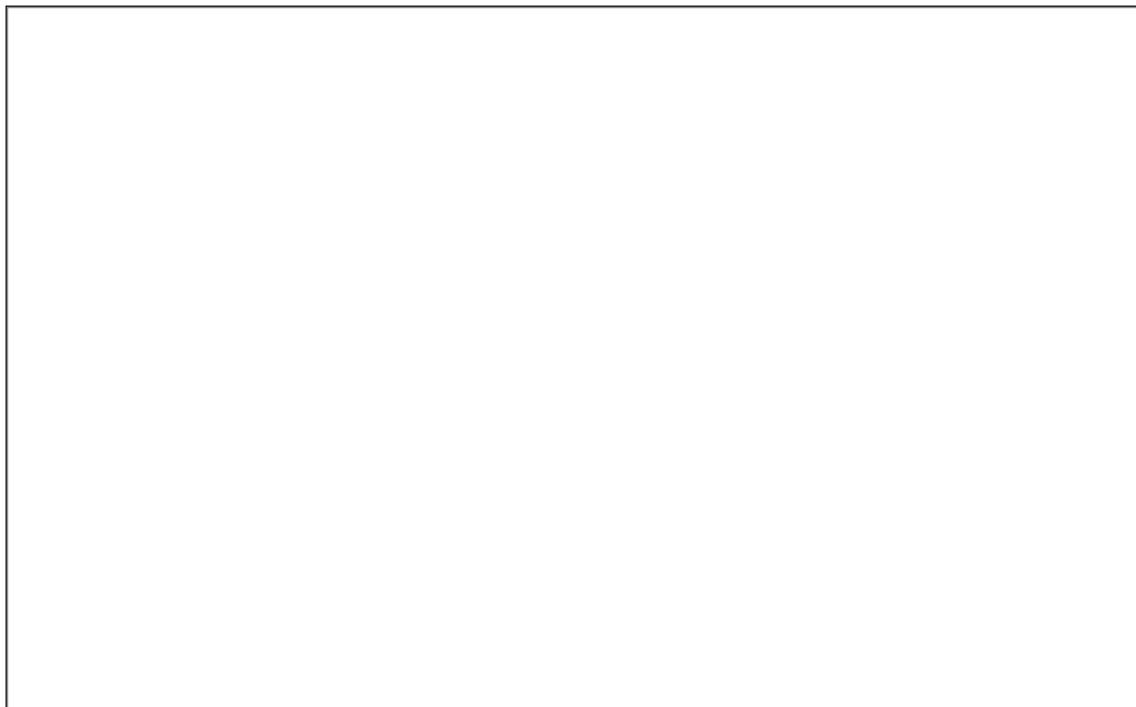
Lane 1 Input lysate

Lane 2 Bound material from IP

Lane 3 Bound material from IP
using non-specific IgG

Western Blot analysis of immunoprecipitated proteins from K562 nuclear extracts detected using anti PolII S2 antibody (ab5095). Expected protein band 240 kD.

Validation #2
Analysis

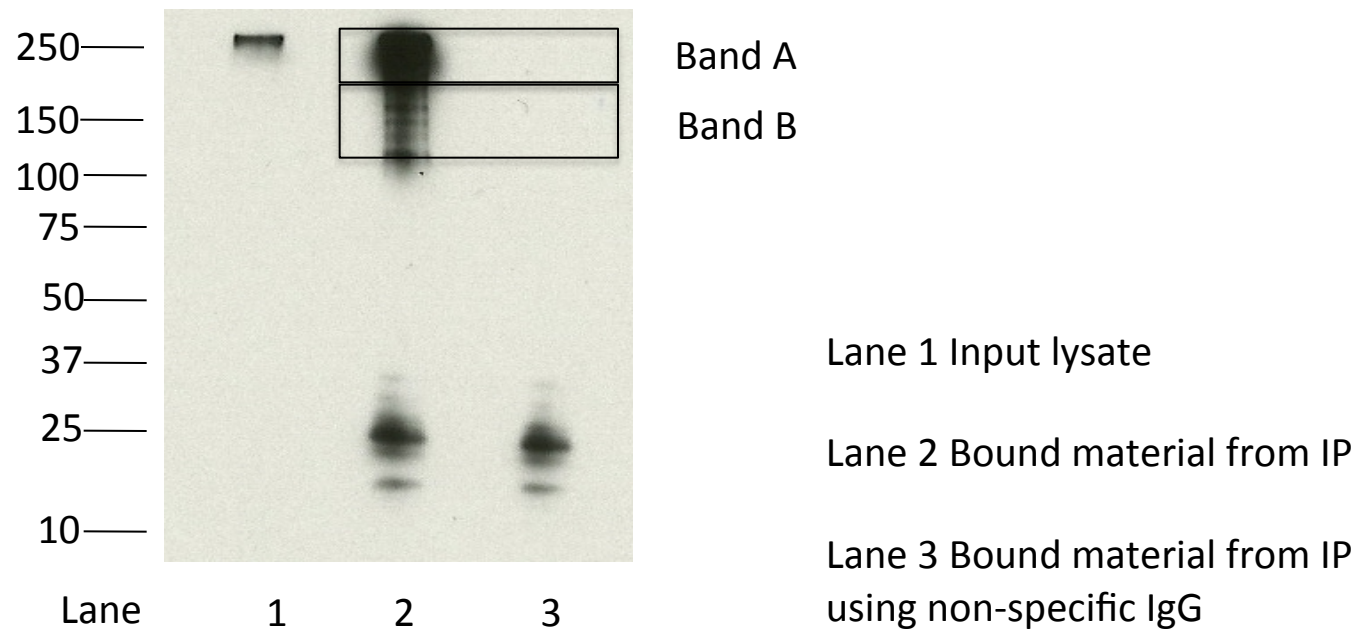


Insert Validation Image (Click here)



Immunoprecipitation assay (IP) + mass spectrometry assay

MW polIIS2 (ab5095) (R) 240 kD



Spectra	Name of Protein	Count of Peptides	Ratio (polIIS2/IgG Control)
polIIS2_Band A	DNA-directed RNA polymerase II	98	NOT IN CONTROL IP
polIIS2_Band A	Isoform 1 of Nucleolar RNA helicase 2	10	0.666666667
polIIS2_Band A	Stromal interaction molecule 1	10	NOT IN CONTROL IP
polIIS2_Band A	Heat shock protein HSP 90-beta	5	0.454545455
polIIS2_Band A	Putative uncharacterized protein RECQL5	4	NOT IN CONTROL IP
polIIS2_Band A	Tubulin beta-1 chain	1	NOT IN CONTROL IP
polIIS2_Band B	DNA-directed RNA polymerase II	23	NOT IN CONTROL IP
polIIS2_Band B	Stress-70 protein, mitochondrial	10	0.357142857
polIIS2_Band B	Isoform 2 of Heat shock cognate 71 kDa protein	5	NOT IN CONTROL IP
polIIS2_Band B	Nucleolar protein 5A (Fragment)	4	0.5
polIIS2_Band B	X-ray repair complementing defective repair in Chinese hamster cells 6	4	0.444444444
polIIS2_Band B	insulin-like growth factor 2 mRNA-binding protein 1 isoform 2	3	NOT IN CONTROL IP