

# 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

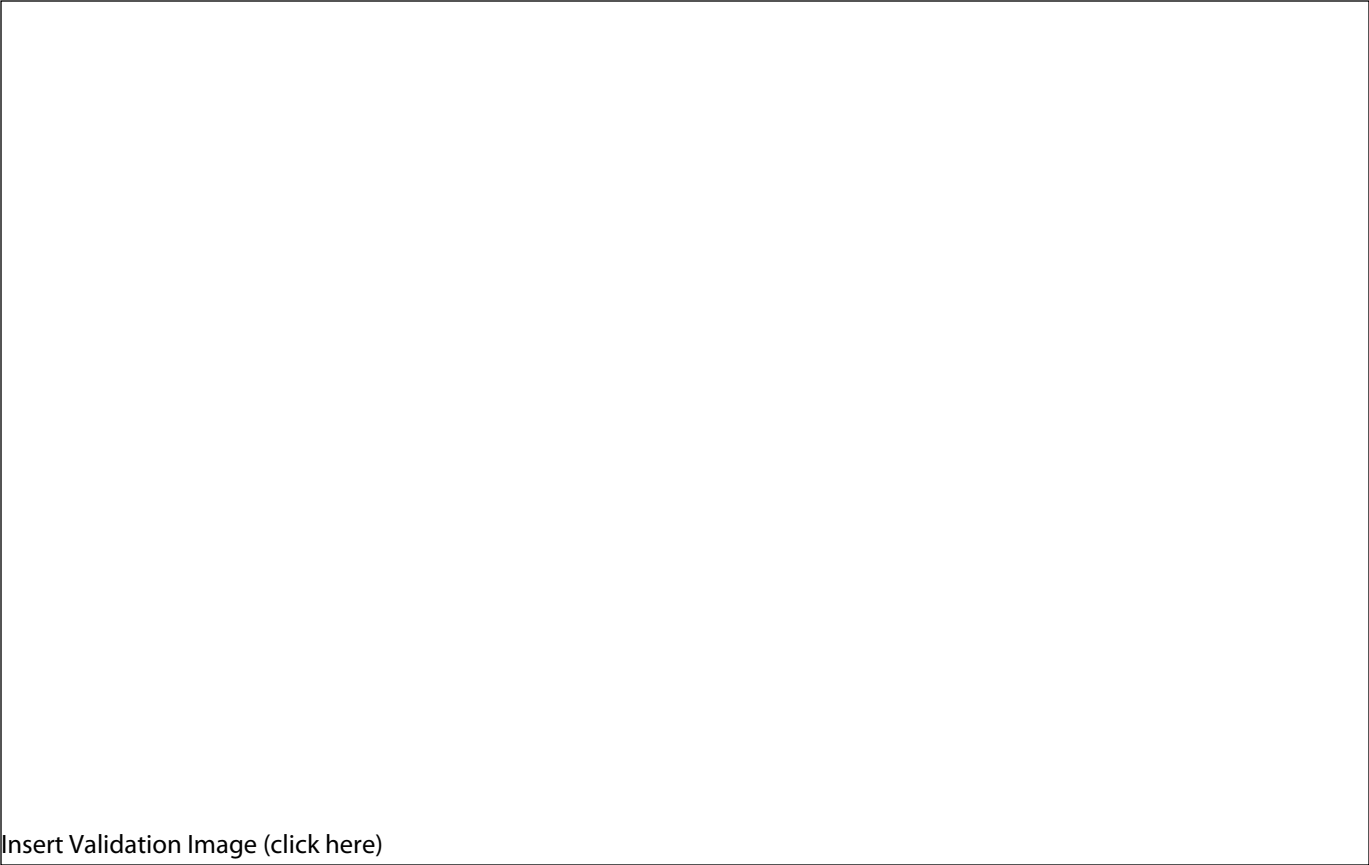
AA Position

Modification

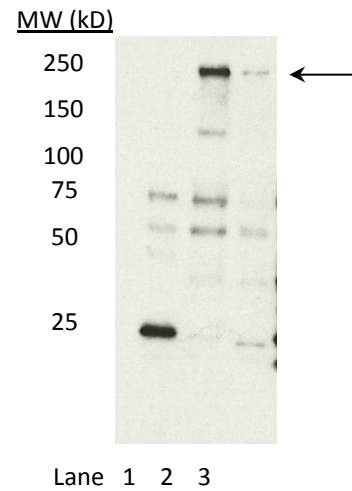
Validation #1  
Analysis



Insert Validation Image (click here)

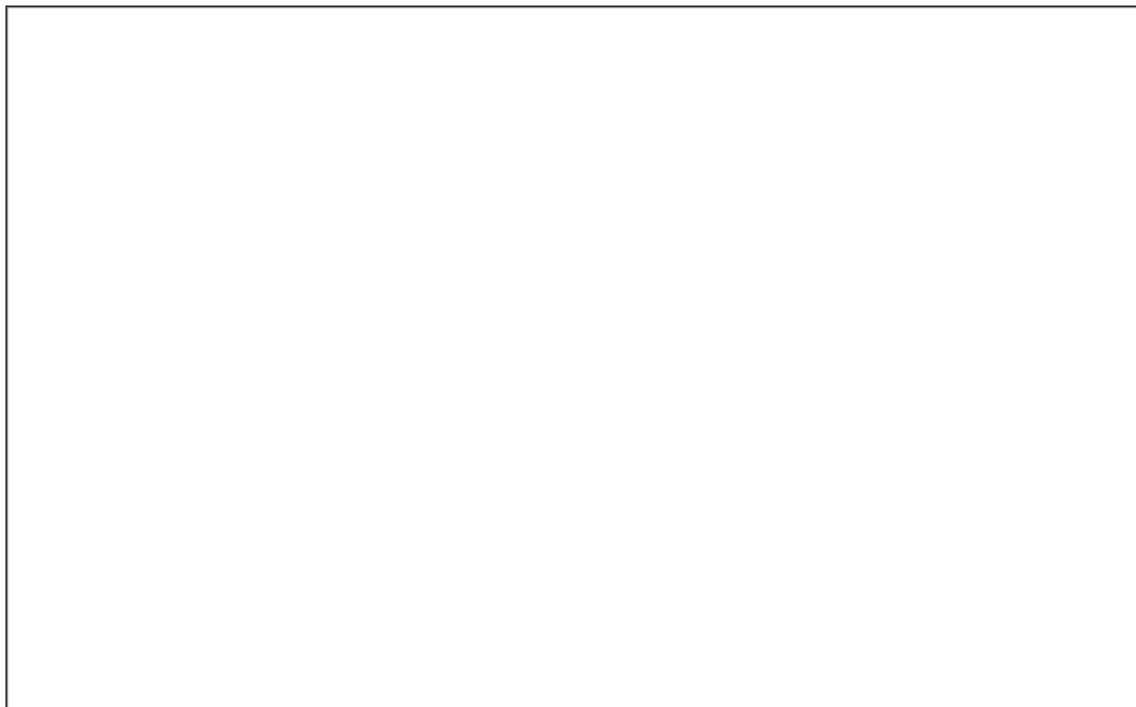


# NB100-60411 (CHD1) Immunoblot/immunoprecipitation



Western blot using NB100-60411. Lanes contain nuclear lysates from GM12878 cells (Lane 1), K562 cells (Lane 2), HeLa S3 cells (Lane 3).

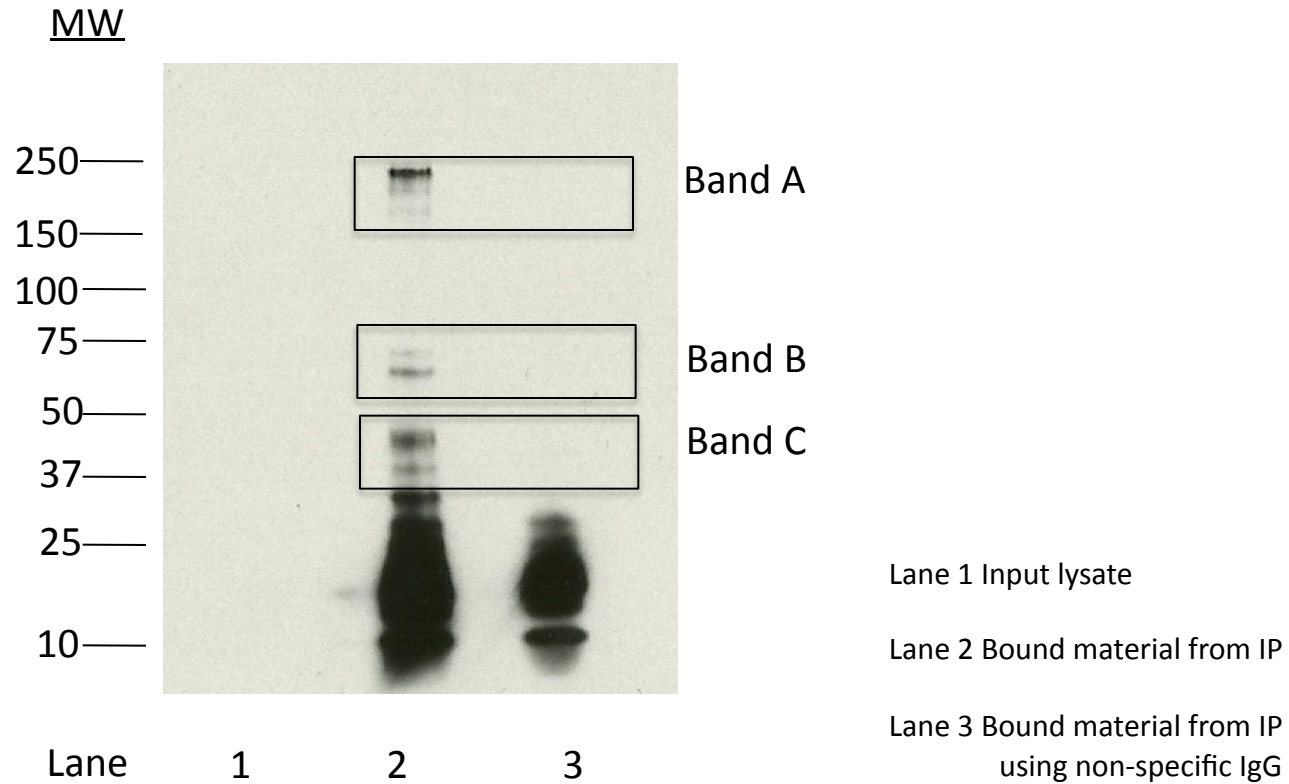
Validation #2  
Analysis



Insert Validation Image (Click here)



# NB100-60411 (CHD1) Immunoprecipitation/Mass spectrometry



Spectrum	Name of Protein	Count of Peptides	Ratio (CHD1/IgG control)
CHD1_Band A	Isoform 2 of Chromodomain-helicase-DNA-binding protein 1	38	NOT IN CONTROL IP
CHD1_Band A	Isoform 2 of DNA topoisomerase 2-alpha	27	0.72972973
CHD1_Band A	cDNA FLJ59523, highly similar to Scaffold attachment factor B	20	2.857142857
CHD1_Band A	Scaffold attachment factor B2	19	2.714285714
CHD1_Band A	Isoform Beta-1 of DNA topoisomerase 2-beta	15	0.454545455
CHD1_Band A	Structural maintenance of chromosomes protein 3	15	2.5
CHD1_Band A	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 5	11	0.458333333
CHD1_Band A	Splicing factor 3B subunit 1	9	0.692307692
CHD1_Band A	Structural maintenance of chromosomes protein 1A	8	0.8
CHD1_Band A	Isoform 2 of Chromodomain-helicase-DNA-binding protein 2	7	NOT IN CONTROL IP
CHD1_Band A	Protein RRP5 homolog	7	0.411764706
CHD1_Band A	FACT complex subunit SPT16	6	1.5
CHD1_Band A	HEAT repeat-containing protein 1	6	0.206896552
CHD1_Band A	Isoform 1 of U5 small nuclear ribonucleoprotein 200 kDa helicase	6	0.146341463
CHD1_Band A	Isoform 2 of Tyrosine-protein kinase BAZ1B	5	0.555555556
CHD1_Band A	Isoform Short of Antigen KI-67	5	0.384615385
CHD1_Band A	DNA-directed RNA polymerase	4	NOT IN CONTROL IP
CHD1_Band A	Isoform 2 of PR domain zinc finger protein 10	4	NOT IN CONTROL IP
CHD1_Band A	Isoform 1 of Splicing factor 3B subunit 3	3	3
CHD1_Band A	Desmoglein-1	2	NOT IN CONTROL IP
CHD1_Band B	Stress-70 protein, mitochondrial	20	1
CHD1_Band B	Desmoglein-1	17	NOT IN CONTROL IP
CHD1_Band B	Junction plakoglobin	14	NOT IN CONTROL IP
CHD1_Band B	Nucleolar protein 56	14	1.555555556
CHD1_Band B	Isoform 1 of RNA-binding protein 14	13	1.444444444
CHD1_Band B	Isoform DPI of Desmoplakin	13	NOT IN CONTROL IP
CHD1_Band B	Isoform 3 of Probable ATP-dependent RNA helicase DDX17	12	2
CHD1_Band B	Isoform 1 of Heat shock cognate 71 kDa protein	11	1.222222222
CHD1_Band B	Probable ATP-dependent RNA helicase DDX5	11	2.2
CHD1_Band B	ATP-dependent RNA helicase DDX18	9	1.5
CHD1_Band B	X-ray repair cross-complementing protein 6	9	0.6
CHD1_Band B	Isoform 2 of Chromodomain-helicase-DNA-binding protein 1	8	NOT IN CONTROL IP

CHD1_Band B	Lamin-B1	8	1.333333333
CHD1_Band B	X-ray repair cross-complementing protein 5	8	8
CHD1_Band B	Insulin-like growth factor 2 mRNA-binding protein 1	6	0.666666667
CHD1_Band B	Isoform 1 of Heterogeneous nuclear ribonucleoprotein R	6	0.333333333
CHD1_Band B	Isoform 2 of Heterogeneous nuclear ribonucleoprotein R	6	0.375
CHD1_Band B	HSPA5 protein	5	0.833333333
CHD1_Band B	Isoform A of Lamin-A/C	5	0.277777778
CHD1_Band B	Nucleolar protein 11	5	0.454545455
CHD1_Band B	Heterogeneous nuclear ribonucleoprotein L	4	0.333333333
CHD1_Band B	Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	4	0.666666667
CHD1_Band B	cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	3	0.428571429
	cDNA FLJ56823, highly similar to Protein-glutamine gamma-		
CHD1_Band B	glutamyltransferase E	3	NOT IN CONTROL IP
CHD1_Band B	FACT complex subunit SSRP1	3	0.75
CHD1_Band B	Isoform 1 of Annexin A2	3	NOT IN CONTROL IP
CHD1_Band B	Isoform 1 of Interleukin enhancer-binding factor 3	2	2
CHD1_Band B	Isoform 1 of Nucleolar RNA helicase 2	2	0.333333333
CHD1_Band B	Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	2	2
<hr/>			
CHD1_Band C	Isoform 1 of Core histone macro-H2A.1	27	1.588235294
CHD1_Band C	Desmoglein-1	11	NOT IN CONTROL IP
	cDNA FLJ77422, highly similar to Homo sapiens RNA binding protein, autoantigenic (hnRNP-associated with lethal yellow homolog (mouse)), transcript variant 1, mRNA (Fragment)		
CHD1_Band C		7	0.636363636
CHD1_Band C	Isoform 2 of Chromodomain-helicase-DNA-binding protein 1	7	NOT IN CONTROL IP
CHD1_Band C	Mitochondrial ribonuclease P protein 1	5	NOT IN CONTROL IP
CHD1_Band C	rRNA 2'-O-methyltransferase fibrillar	4	0.666666667
CHD1_Band C	Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	3	0.3