

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*

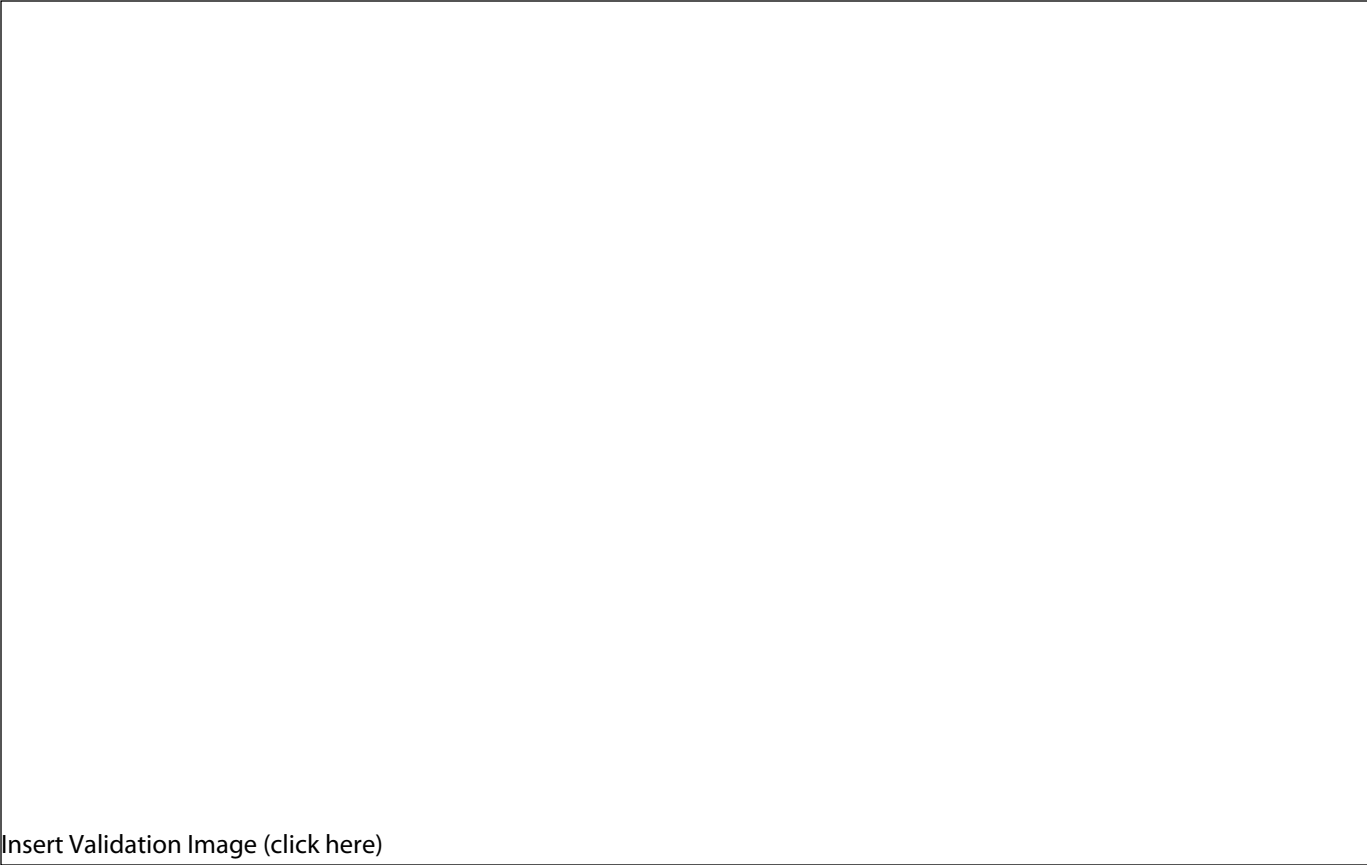
Histone Name

AA modified

AA Position

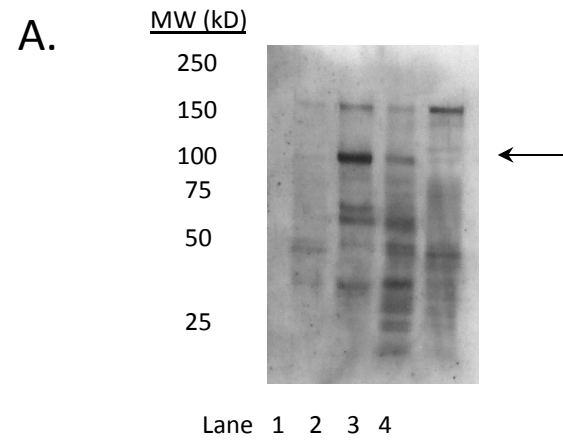
Modification

Validation #1
Analysis



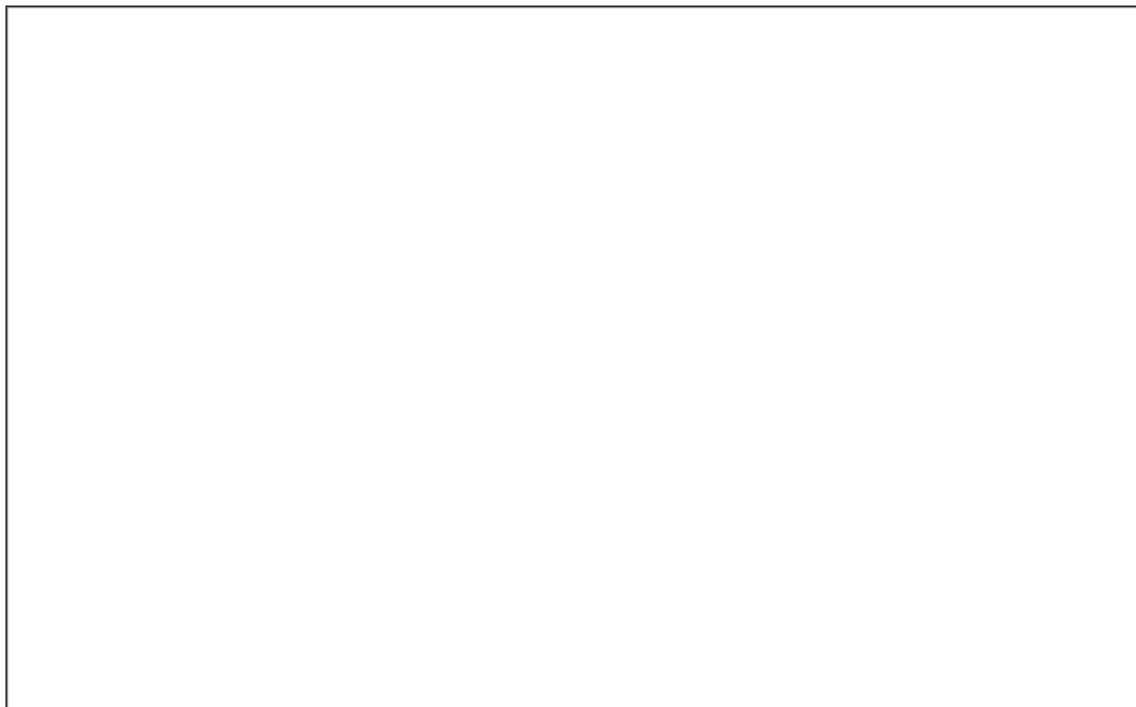
Insert Validation Image (click here)

sc14700(BACH1) Immunoblot



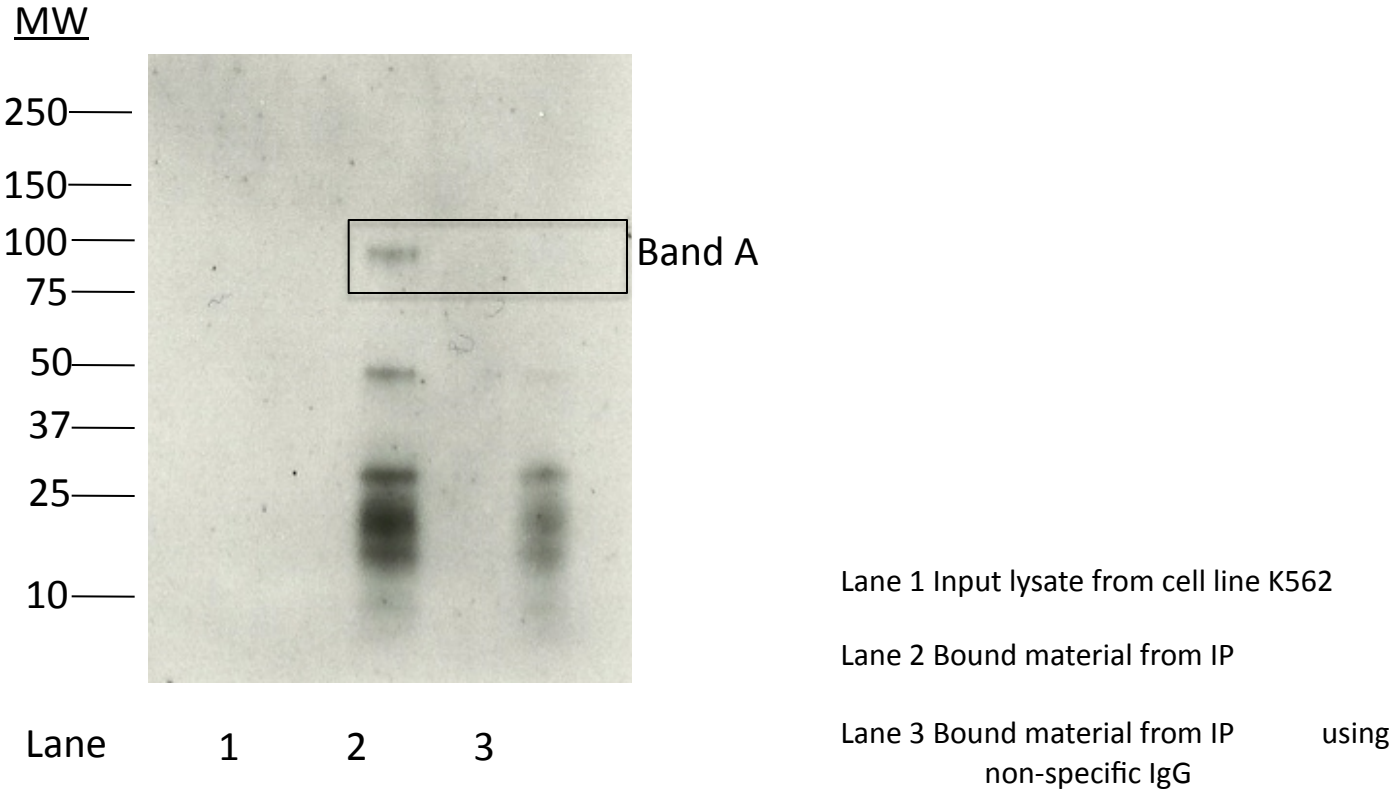
A. Western blot using sc14700 . Lanes contain nuclear lysates from GM12878 cells (Lane 1), K562 cells (Lane 2), HeLa S3 cells (Lane 3), and HepG2 cells (Lane 4).

Validation #2
Analysis



Insert Validation Image (Click here)

sc14700 (Bach1) Immunoprecipitation/Mass spectrometry



Name of Protein	Count of Peptides	Ratio (BACH1/IgG Control)
Transcription regulator protein BACH1	23	NOT IN CONTROL IP
X-ray repair cross-complementing protein 5	14	0.823529412
Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	14	0.736842105
Heat shock protein HSP 90-beta	12	4
Isoform 2 of Heterogeneous nuclear ribonucleoprotein M	12	0.387096774
cDNA FLJ54020, highly similar to Heterogeneous nuclear ribonucleoprotein U	11	0.785714286
Isoform 1 of Heat shock protein HSP 90-alpha	9	NOT IN CONTROL IP
Isoform 5 of Interleukin enhancer-binding factor 3	8	1
Isoform 1 of Nucleolar RNA helicase 2	7	0.24137931
Stress-70 protein, mitochondrial	6	0.75
ATP-dependent RNA helicase DDX18	6	0.315789474
BEN domain-containing protein 3	5	NOT IN CONTROL IP
Isoform 1 of Heterogeneous nuclear ribonucleoprotein R	5	0.416666667
Isoform 2 of Heterogeneous nuclear ribonucleoprotein R	5	0.416666667
HSPA5 protein	4	2
Nucleolar protein 11	3	0.375
Isoform A of Lamin-A/C	3	0.111111111
Probable ATP-dependent RNA helicase DDX5	2	NOT IN CONTROL IP
Isoform 3 of Probable ATP-dependent RNA helicase DDX17	2	1