

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

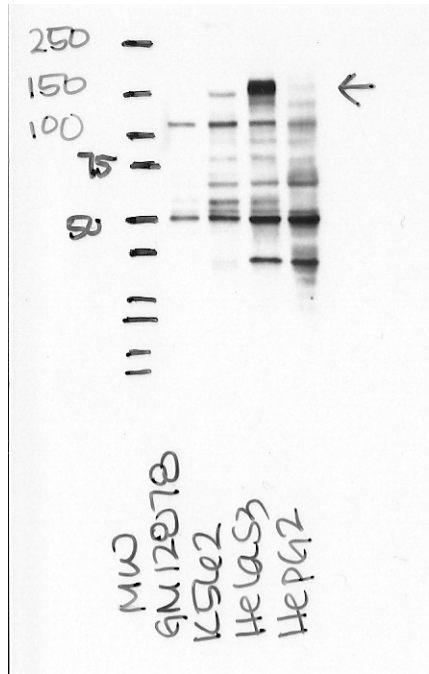
Modification

Validation #1
Analysis



Insert Validation Image (click here)



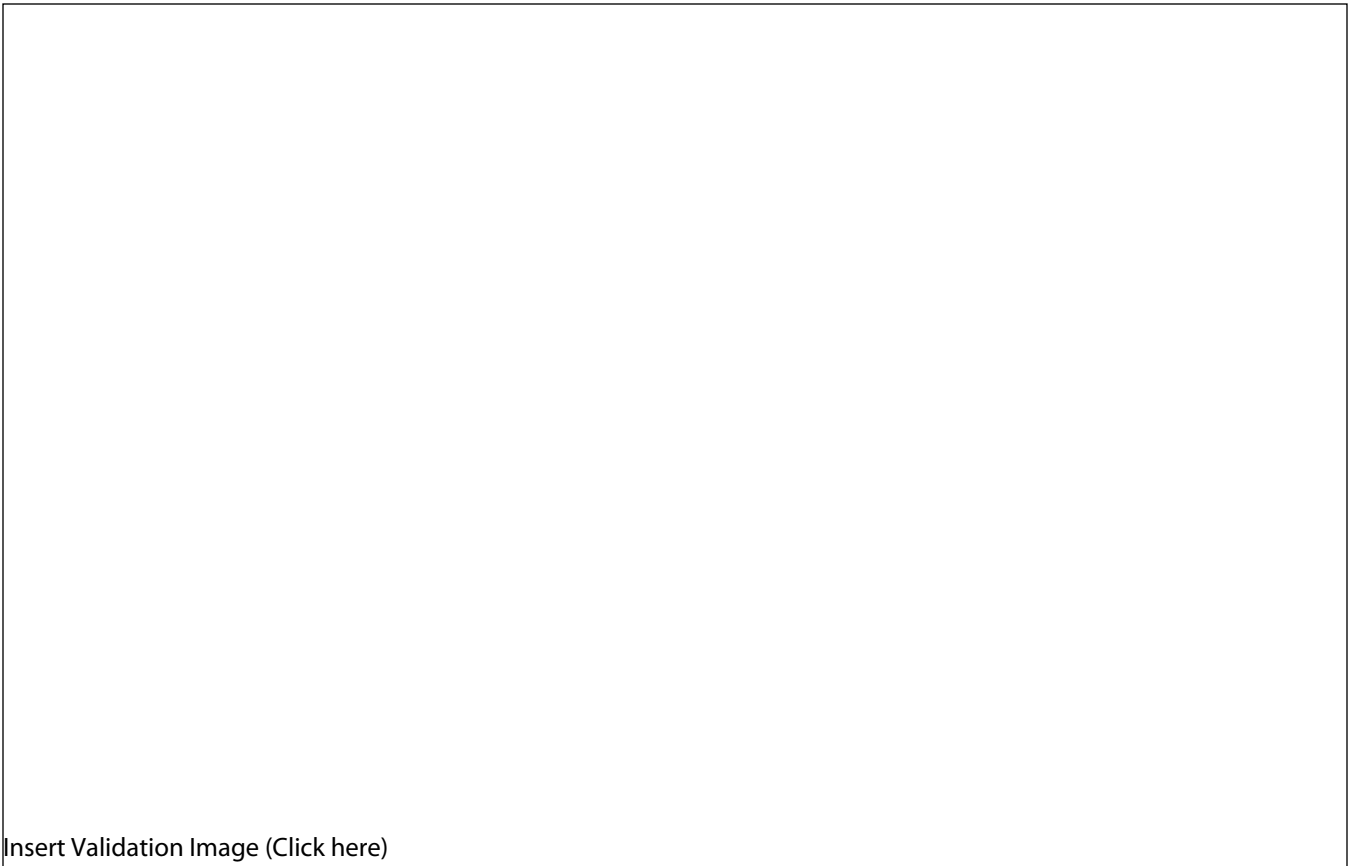


Western Blot analysis of nuclear extracts from GM12878, K562, HeLaS3 and HepG2 using anti BRCA1 antibody from Bethyl Labs (A300-000A). Expected protein band 207.7 KDa

Validation #2
Analysis

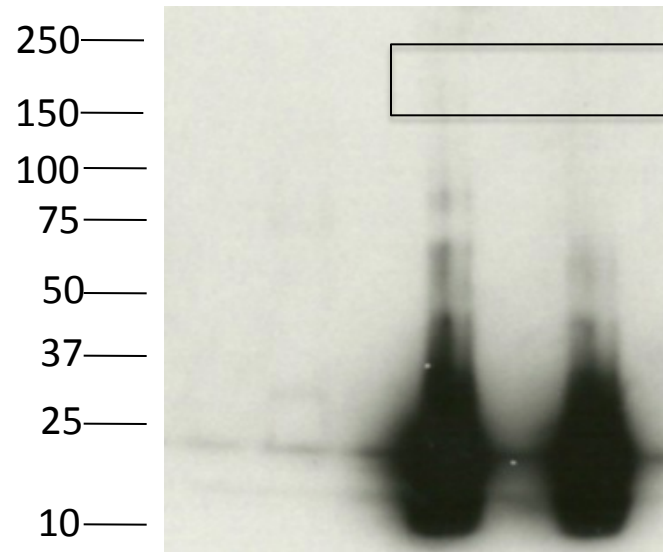


Insert Validation Image (Click here)



Immunoprecipitation assay (IP) + mass spectrometry assay

MW BRCA1 (A300-000A) (R) 207.7 kD



Band A

Lane 1 Input lysate

Lane 2 Bound material from IP

Lane 3 Bound material from IP
using non-specific IgG

Lane 1 2 3

Spectrum	Name of Protein	Count of Peptides	Ratio(BRCA1/IgG Control)
BRCA1_Band A	Isoform 1 of DNA-dependent protein kinase catalytic subunit	8	NOT IN CONTROL IP
BRCA1_Band A	Isoform 2 of DNA-dependent protein kinase catalytic subunit	8	NOT IN CONTROL IP
BRCA1_Band A	BRCA1 protein	7	NOT IN CONTROL IP
BRCA1_Band A	similar to protein kinase, DNA-activated, catalytic polypeptide	7	NOT IN CONTROL IP
BRCA1_Band A	IRIS	6	NOT IN CONTROL IP
BRCA1_Band A	Isoform 1 of Breast cancer type 1 susceptibility protein	6	NOT IN CONTROL IP
BRCA1_Band A	Isoform 2 of Breast cancer type 1 susceptibility protein	6	NOT IN CONTROL IP
BRCA1_Band A	Isoform 4 of Breast cancer type 1 susceptibility protein	6	NOT IN CONTROL IP
BRCA1_Band A	Isoform 1 of Cell division cycle and apoptosis regulator protein 1	5	NOT IN CONTROL IP
BRCA1_Band A	Isoform 2 of Cell division cycle and apoptosis regulator protein 1	5	NOT IN CONTROL IP
BRCA1_Band A	cDNA FLJ54020, highly similar to Heterogeneous nuclear ribonucleoprotein U	4	0.666666667
BRCA1_Band A	HNRPU protein	4	0.666666667
BRCA1_Band A	Isoform 1 of Nucleolar RNA helicase 2	4	NOT IN CONTROL IP
BRCA1_Band A	Isoform 2 of Nucleolar RNA helicase 2	4	NOT IN CONTROL IP
BRCA1_Band A	Isoform Long of Heterogeneous nuclear ribonucleoprotein U	4	0.666666667
BRCA1_Band A	Isoform Short of Heterogeneous nuclear ribonucleoprotein U	4	0.666666667
BRCA1_Band A	Nuclear pore complex protein Nup205	3	NOT IN CONTROL IP