

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

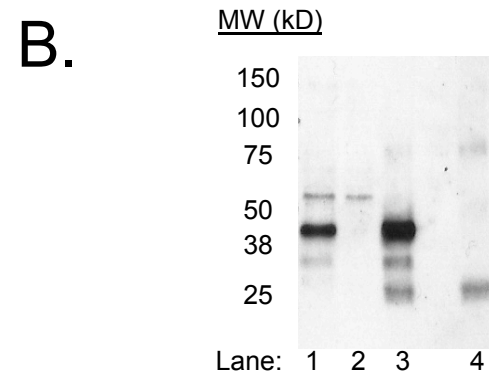
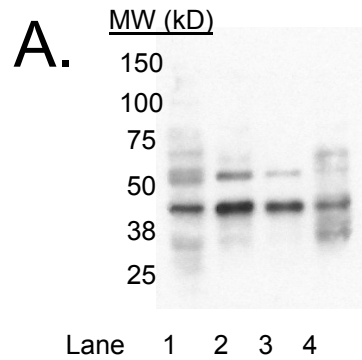
Validation #1
Analysis



Insert Validation Image (click here)

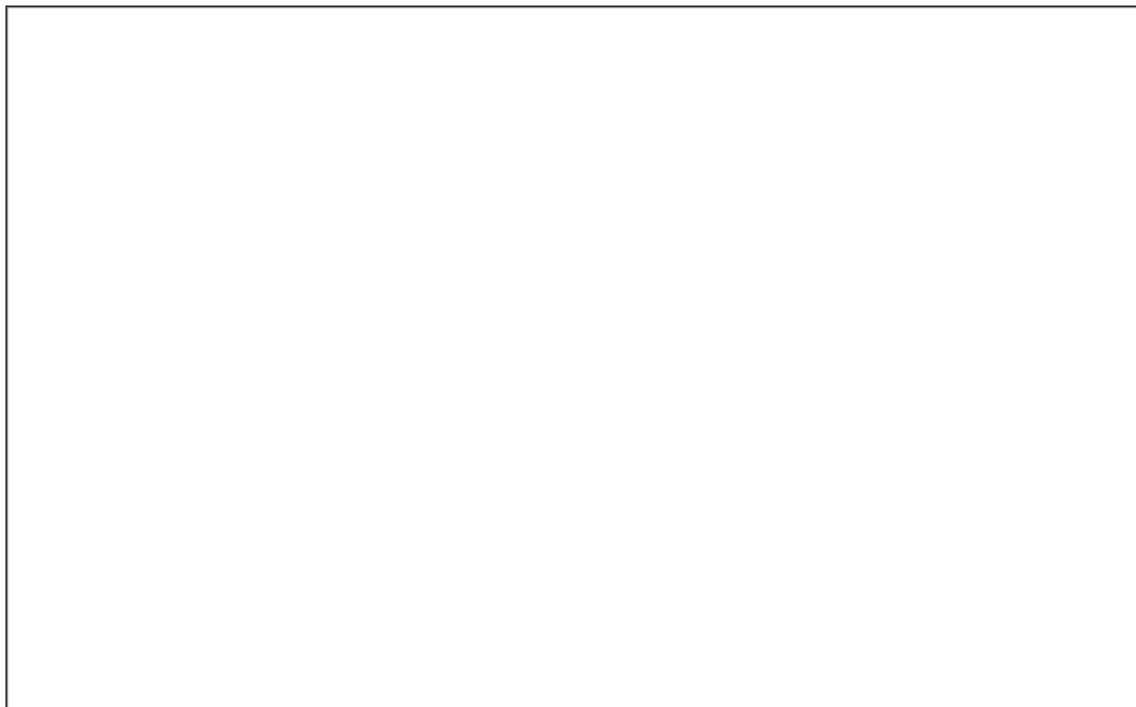


AF4185 (MXI1) Immunoblot/immunoprecipitation



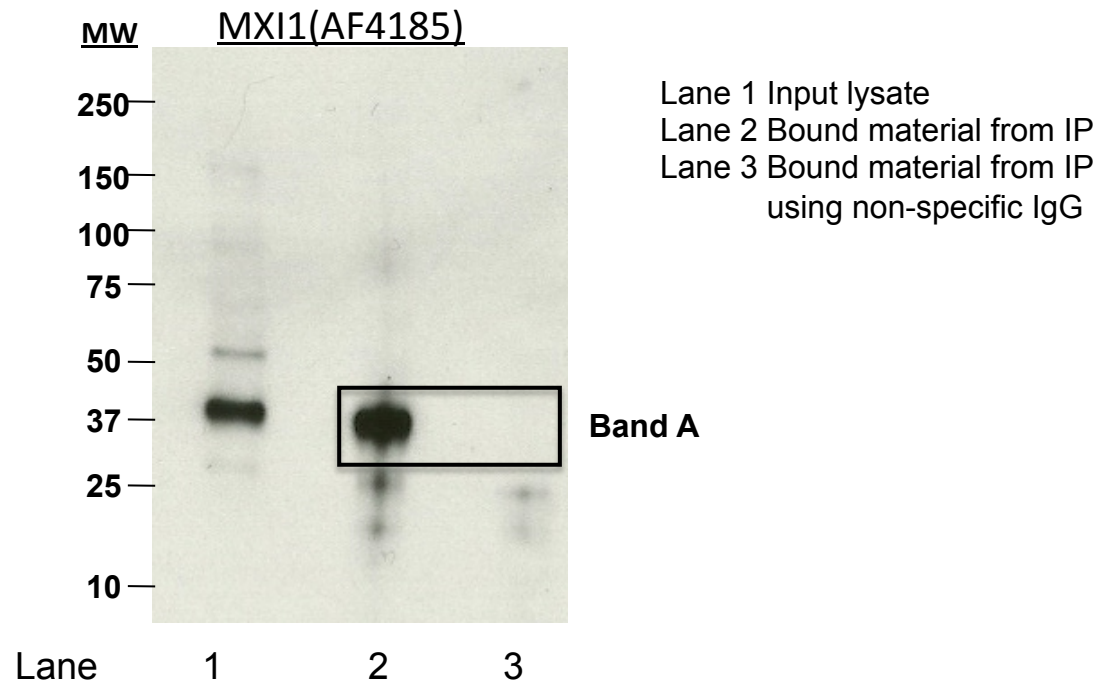
A. Western blot using AF4185. Lanes contain nuclear lysates from HeLa S3 cells (Lane 1), K562 cells (Lane 2), GM12878 cells (Lane 3), and HepG2 cells (Lane 4). **B.** Immunoprecipitation of MXI1 from K562 cells using AF4185. Lane 1: input nuclear lysate, Lane 2: unbound material from immunoprecipitation with AF4185, Lane 3: material immunoprecipitated with AF4185, Lane 4: material immunoprecipitated using control IgG.

Validation #2
Analysis



Insert Validation Image (Click here)

AF4185 (MXI1) Immunoprecipitation/Mass spectrometry



	Name of Protein	Peptide Count	Ratio (MX11/ Control)	IgG
Band A	MAX interactor 1	16	NOT IN CONTROL IP	
Band A	Isoform 1 of Core histone macro-H2A.1	16	0.89	
Band A	Isoform A1-A of Heterogeneous nuclear ribonucleoprotein A1	16	0.89	
Band A	cDNA FLJ59080, highly similar to Heterogeneous nuclear ribonucleoprotein A3	15	1.07	
Band A	cDNA FLJ77422, highly similar to Homo sapiens RNA binding protein, autoantigenic (hnRNP-associated with lethal yellow homolog (mouse)), transcript variant 1, mRNA (Fragment)	14	1.17	
Band A	Isoform 2 of Nucleophosmin	13	1.30	
Band A	ELAV-like protein 1	10	2.00	
Band A	Putative uncharacterized protein HNRNPAB	10	1.67	
Band A	rRNA 2'-O-methyltransferase fibrillar	10	1.11	
Band A	Serine/threonine-protein kinase 12	9	4.50	
Band A	Isoform 3 of Heterogeneous nuclear ribonucleoprotein H3	9	0.90	
Band A	MKI67 FHA domain-interacting nucleolar phosphoprotein	6	0.86	
Band A	Isoform 1 of Serpin B3	5	2.50	
Band A	Isoform 3 of Transformer-2 protein homolog beta	5	1.67	
Band A	Poly(rC)-binding protein 1	4	1.33	
Band A	Brix domain containing 1	4	0.80	
Band A	U5 small nuclear ribonucleoprotein 40 kDa protein	4	0.80	
Band A	Isoform 3 of Heterogeneous nuclear ribonucleoprotein D-like	4	0.67	
Band A	elongation factor 1-delta isoform 4	3	NOT IN CONTROL IP	
Band A	Histone H1.5	3	1.50	
Band A	cDNA FLJ59138, highly similar to Annexin A2	3	1.00	
Band A	Heterogeneous nuclear ribonucleoprotein A0	3	1.00	
Band A	RNA 3'-terminal phosphate cyclase-like protein	3	0.75	
Band A	Zinc-alpha-2-glycoprotein	3	0.75	
Band A	cDNA FLJ54752, highly similar to Poly(rC)-binding protein 2	3	0.43	
Band A	Isoform 1 of Arginase-1	2	NOT IN CONTROL IP	
Band A	Isoform 2 of Zinc finger protein Gfi-1b	2	NOT IN CONTROL IP	
Band A	Isoform 2 of Neuroguidin	2	2.00	
Band A	Putative uncharacterized protein IMP4	2	2.00	
Band A	SYNCRIP protein (Fragment)	2	0.67	
Band A	Protein MAK16 homolog	2	0.50	

Band A

Probable rRNA-processing protein EBP2

2

0.40