

# 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*

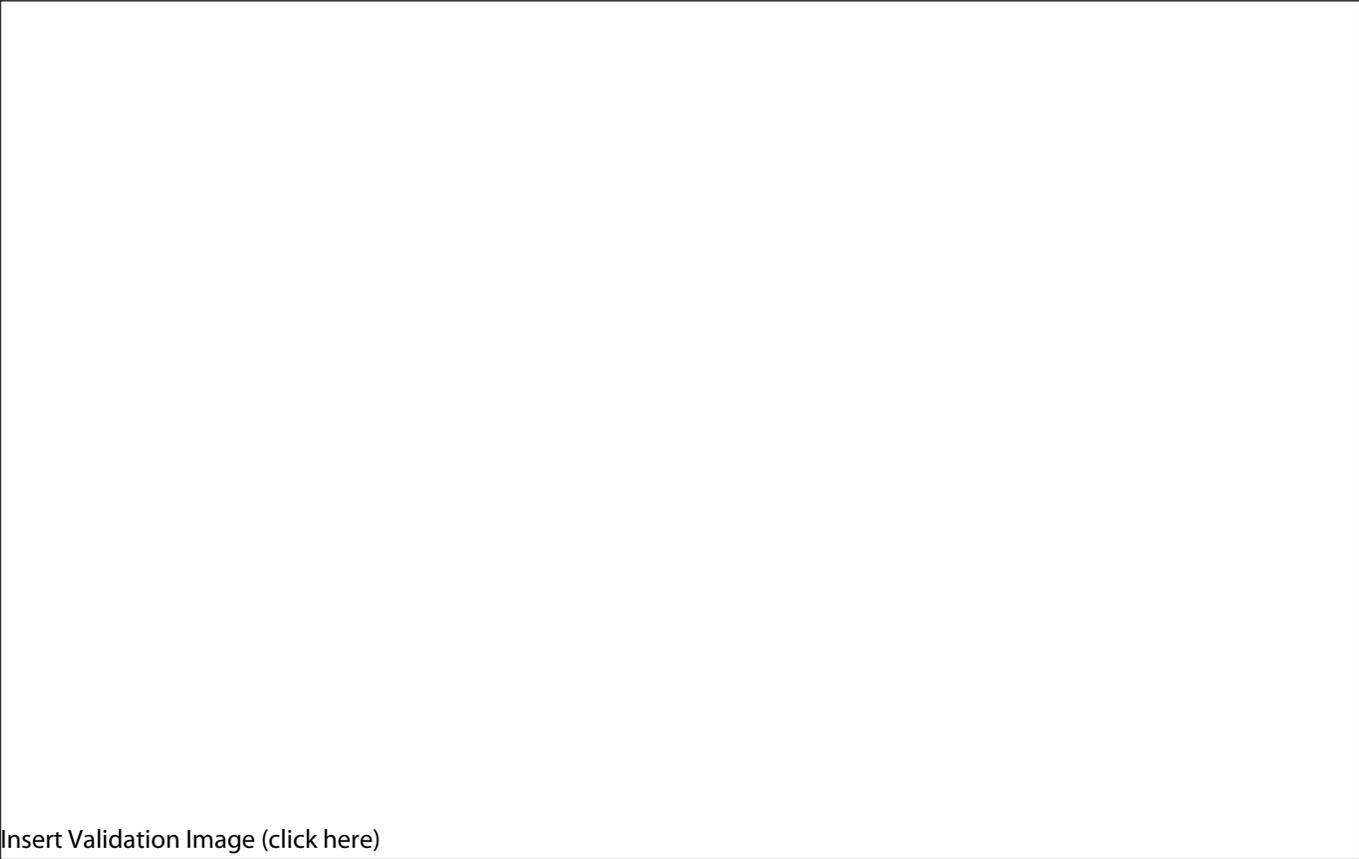
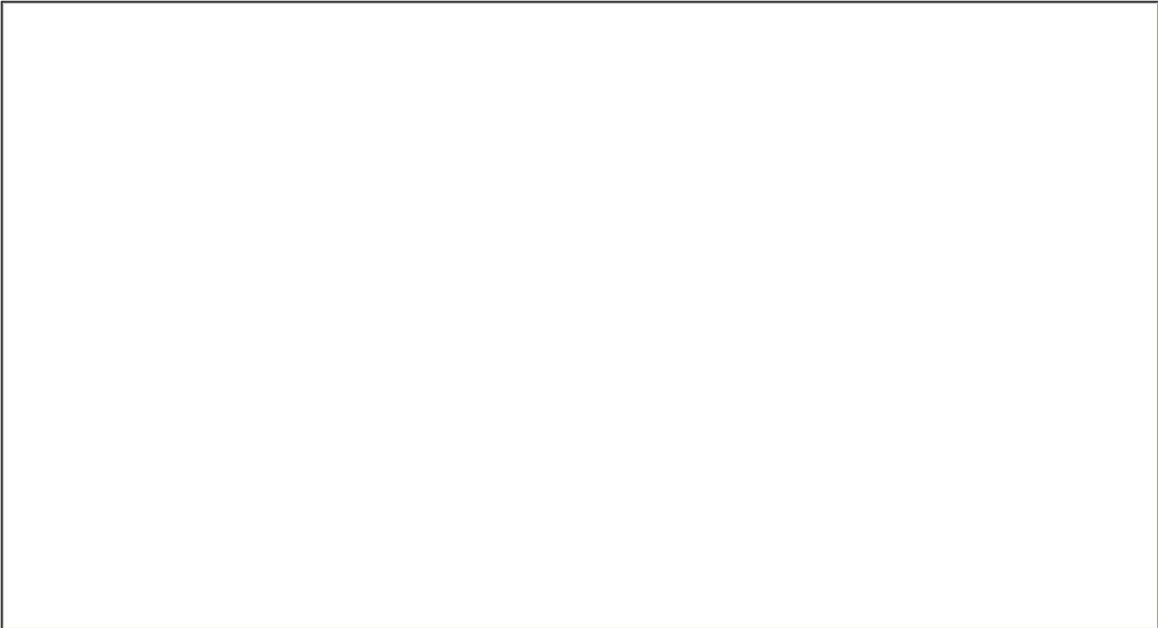
Histone Name

AA modified

AA Position

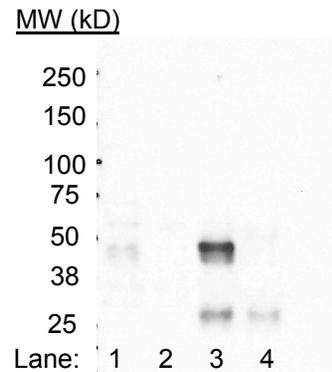
Modification

Validation #1  
Analysis



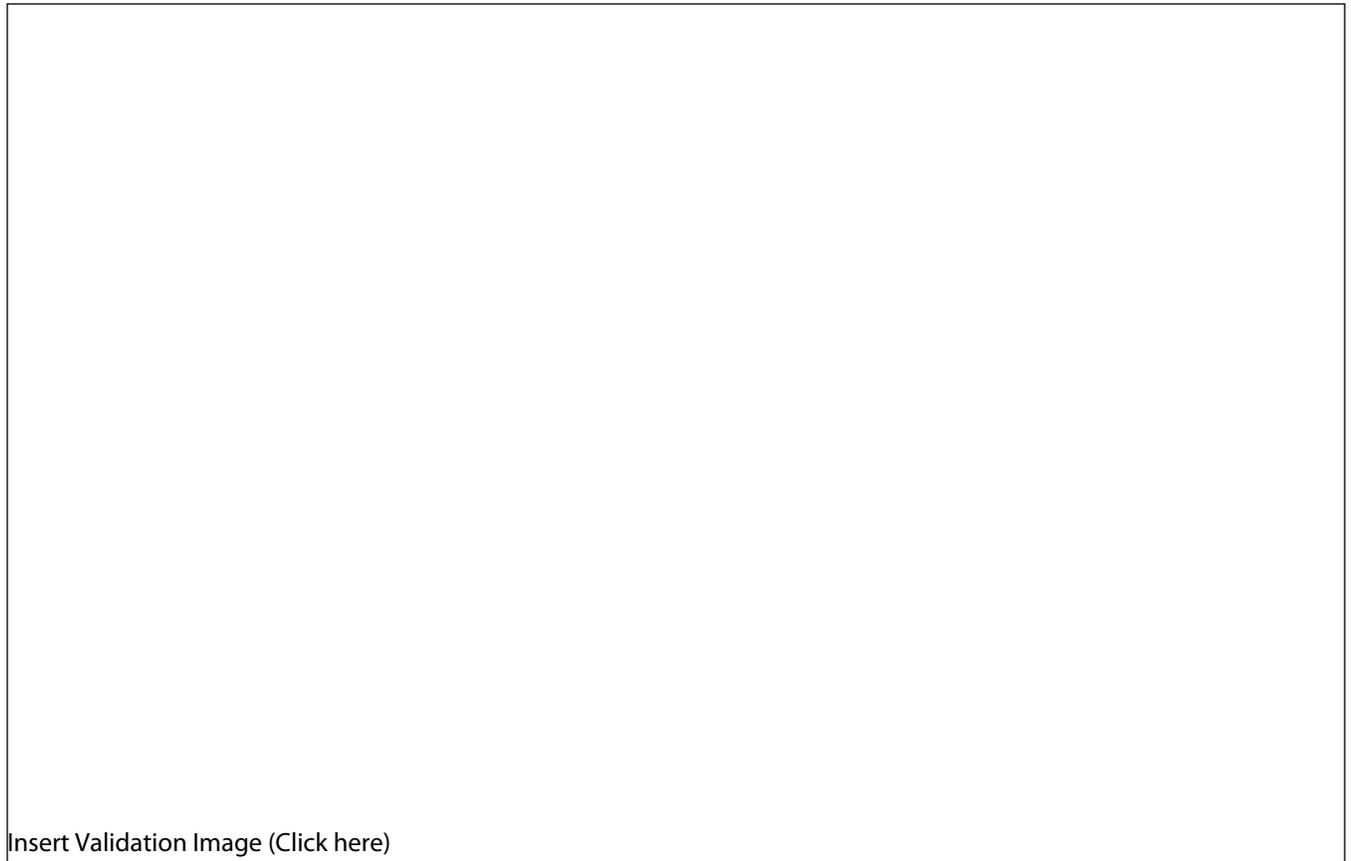
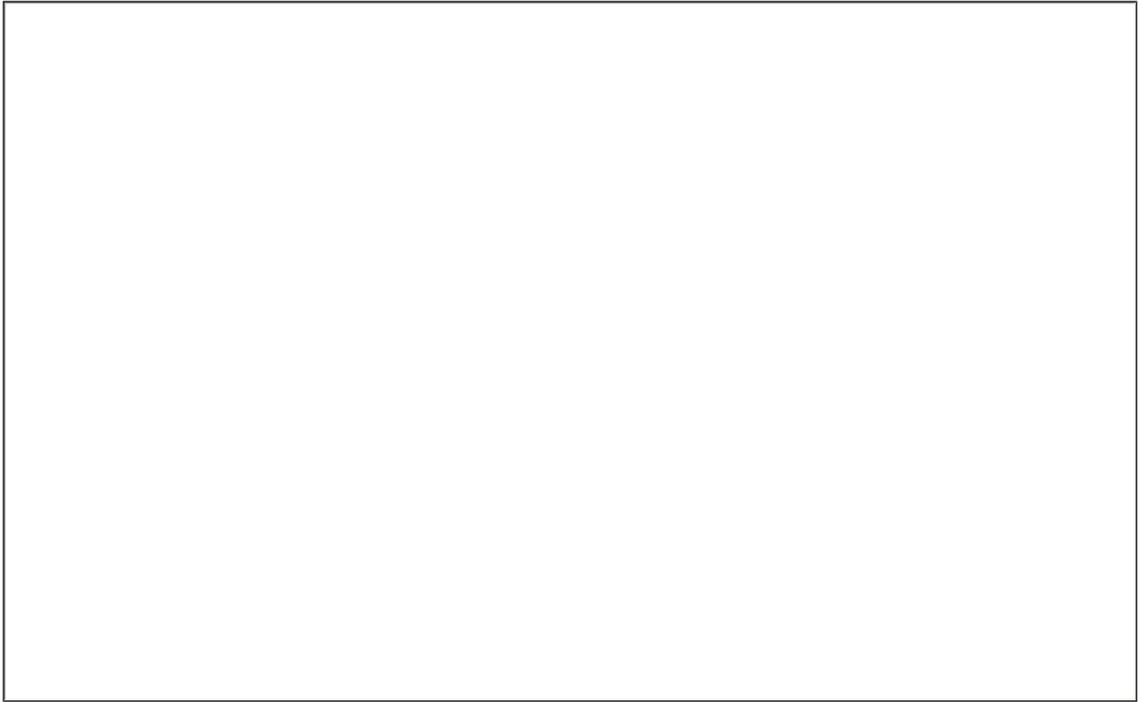
Insert Validation Image (click here)

# sc-12984 (TAL1) Immunoblot/immunoprecipitation



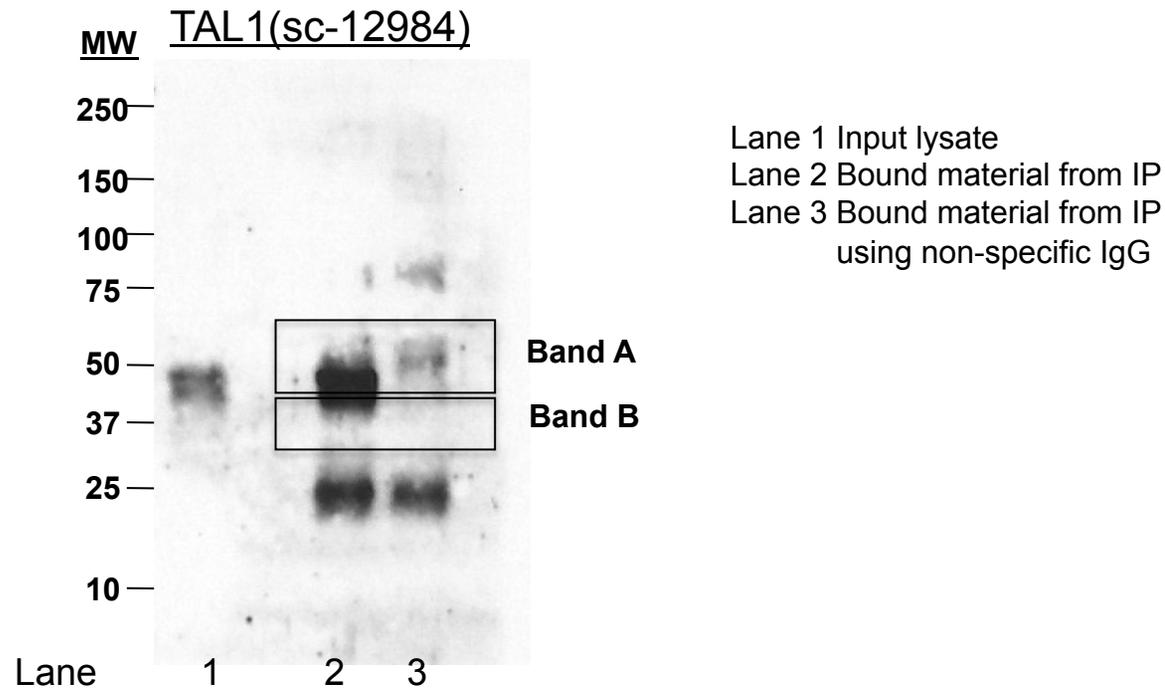
Immunoprecipitation of TAL1 from K562 cells using sc12984. Lane 1: input nuclear lysate, Lane 2: unbound material from immunoprecipitation with sc12984, Lane 3: material immunoprecipitated with sc12984, Lane 4: material immunoprecipitated using control IgG.

Validation #2  
Analysis



Insert Validation Image (Click here)

# sc-12984 (TAL1) Immunoprecipitation/ Mass spectrometry



Spectra	Name of Protein	Count of Peptides	Ratio (TAL1/IgG Control)
TAL1_Band A	Vimentin	25	NOT IN CONTROL IP
TAL1_Band A	ATP synthase subunit alpha, mitochondrial	12	NOT IN CONTROL IP
TAL1_Band A	Eukaryotic initiation factor 4A-III	12	2.4
TAL1_Band A	Interleukin enhancer-binding factor 2	10	NOT IN CONTROL IP
TAL1_Band A	Tubulin beta-2C chain	10	NOT IN CONTROL IP
TAL1_Band A	cDNA FLJ53012, highly similar to Tubulin beta-7 chain	8	NOT IN CONTROL IP
TAL1_Band A	Tubulin beta-2A chain	8	NOT IN CONTROL IP
TAL1_Band A	Heterogeneous nuclear ribonucleoprotein K	7	NOT IN CONTROL IP
TAL1_Band A	Ribosome biogenesis regulatory protein homolog	7	2.333333333
TAL1_Band A	U3 small nucleolar RNA-interacting protein 2	7	1.75
TAL1_Band A	ATP synthase subunit beta, mitochondrial	6	NOT IN CONTROL IP
TAL1_Band A	cDNA FLJ54533, highly similar to Heterogeneous nuclear ribonucleoprotein H	6	1
TAL1_Band A	Heterogeneous nuclear ribonucleoprotein G	6	0.75
TAL1_Band A	Isoform PP39-TAL1 of T-cell acute lymphocytic leukemia protein 1	6	NOT IN CONTROL IP
TAL1_Band A	Tubulin beta-3 chain	6	NOT IN CONTROL IP
TAL1_Band A	ATP-dependent RNA helicase DDX39	4	NOT IN CONTROL IP
TAL1_Band A	cDNA FLJ58687, highly similar to Tubulin alpha-4 chain	4	NOT IN CONTROL IP
TAL1_Band A	Isoform 3 of Core histone macro-H2A.1	4	NOT IN CONTROL IP
TAL1_Band A	Nuclease-sensitive element-binding protein 1	4	NOT IN CONTROL IP
TAL1_Band A	SS-B/La protein	4	NOT IN CONTROL IP
TAL1_Band A	Heterogeneous nuclear ribonucleoprotein F	3	0.75
TAL1_Band A	HRB2 variant B	3	NOT IN CONTROL IP
TAL1_Band A	Ribosome biogenesis protein WDR12	3	NOT IN CONTROL IP
TAL1_Band A	RNA binding motif protein, X-linked-like 1	3	0.6
TAL1_Band A	DDB1- and CUL4-associated factor 13	2	NOT IN CONTROL IP
TAL1_Band A	Elongation factor 1-alpha	2	NOT IN CONTROL IP
TAL1_Band A	Isoform 1 of Heterogeneous nuclear ribonucleoprotein D-like	2	NOT IN CONTROL IP
TAL1_Band A	Isoform 2 of LIM domain-binding protein 1	2	NOT IN CONTROL IP
TAL1_Band A	Pre-mRNA-processing factor 19	2	1
TAL1_Band B	Isoform B1 of Heterogeneous nuclear ribonucleoproteins A2/B1	25	0.961538462

TAL1_Band B	Isoform 3 of Core histone macro-H2A.1	19	0.904761905
TAL1_Band B	Isoform A1-A of Heterogeneous nuclear ribonucleoprotein A1	19	0.95
TAL1_Band B	Isoform PP39-TAL1 of T-cell acute lymphocytic leukemia protein 1	19	NOT IN CONTROL IP
TAL1_Band B	rRNA 2'-O-methyltransferase fibrillarin	16	1.454545455
TAL1_Band B	Interleukin enhancer-binding factor 2	15	1.363636364
TAL1_Band B	Isoform 2 of Nucleophosmin	13	1.181818182
TAL1_Band B	Heterogeneous nuclear ribonucleoprotein G	11	0.846153846
TAL1_Band B	Isoform 1 of Heterogeneous nuclear ribonucleoprotein D-like	11	1.375
TAL1_Band B	Isoform 2 of Heterogeneous nuclear ribonucleoprotein H3	11	1
TAL1_Band B	ELAV-like protein 1	10	1.25
TAL1_Band B	MKI67 FHA domain-interacting nucleolar phosphoprotein	9	NOT IN CONTROL IP
TAL1_Band B	Putative uncharacterized protein HNRNPAB	9	1.125
TAL1_Band B	Isoform 3 of Transformer-2 protein homolog beta	8	NOT IN CONTROL IP
TAL1_Band B	RNA binding motif protein, X-linked-like 1	7	NOT IN CONTROL IP
TAL1_Band B	Probable rRNA-processing protein EBP2	6	0.75
TAL1_Band B	Brix domain containing 1	5	0.625
TAL1_Band B	cDNA FLJ54752, highly similar to Poly(rC)-binding protein 2	5	0.714285714
TAL1_Band B	Isoform 1 of Serpin B3	5	1.25
TAL1_Band B	Junction plakoglobin	5	NOT IN CONTROL IP
TAL1_Band B	Poly(rC)-binding protein 1	5	1.25
TAL1_Band B	Protein MAK16 homolog	5	1.25
TAL1_Band B	Ribosome biogenesis protein BRX1 homolog	5	NOT IN CONTROL IP
TAL1_Band B	Tubulin beta-2C chain	5	1.666666667
TAL1_Band B	Heterogeneous nuclear ribonucleoprotein A0	4	NOT IN CONTROL IP
TAL1_Band B	Isoform 4 of Heterogeneous nuclear ribonucleoprotein Q	4	1
TAL1_Band B	RRP15-like protein	4	1.333333333
TAL1_Band B	U5 small nuclear ribonucleoprotein 40 kDa protein	4	NOT IN CONTROL IP
TAL1_Band B	Complement C3 (Fragment)	3	NOT IN CONTROL IP
TAL1_Band B	Isoform 2 of Neuroguidin	3	1
TAL1_Band B	Isoform Long of Transformer-2 protein homolog alpha	3	NOT IN CONTROL IP
TAL1_Band B	RNA 3'-terminal phosphate cyclase-like protein	3	0.75

TAL1_Band B	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	3	NOT IN CONTROL IP
TAL1_Band B	Serpin B12	3	NOT IN CONTROL IP
TAL1_Band B	Tubulin beta-2A chain	3	3
TAL1_Band B	Zinc-alpha-2-glycoprotein	3	0.75
TAL1_Band B	Borealin	2	NOT IN CONTROL IP
TAL1_Band B	cDNA FLJ54533, highly similar to Heterogeneous nuclear ribonucleoprotein H	2	0.666666667
TAL1_Band B	cDNA FLJ59138, highly similar to Annexin A2	2	0.666666667
TAL1_Band B	Desmoglein-1	2	NOT IN CONTROL IP
TAL1_Band B	Elongation factor 1-alpha	2	1
TAL1_Band B	Heterogeneous nuclear ribonucleoprotein F	2	1
TAL1_Band B	Histone H1.5	2	1
TAL1_Band B	Isoform 1 of UAP56-interacting factor	2	NOT IN CONTROL IP
TAL1_Band B	Isoform 2 of LIM domain-binding protein 1	2	NOT IN CONTROL IP
TAL1_Band B	Isoform DPI of Desmoplakin	2	NOT IN CONTROL IP
TAL1_Band B	Tubulin beta-3 chain	2	NOT IN CONTROL IP
TAL1_Band B	Vimentin	2	NOT IN CONTROL IP