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

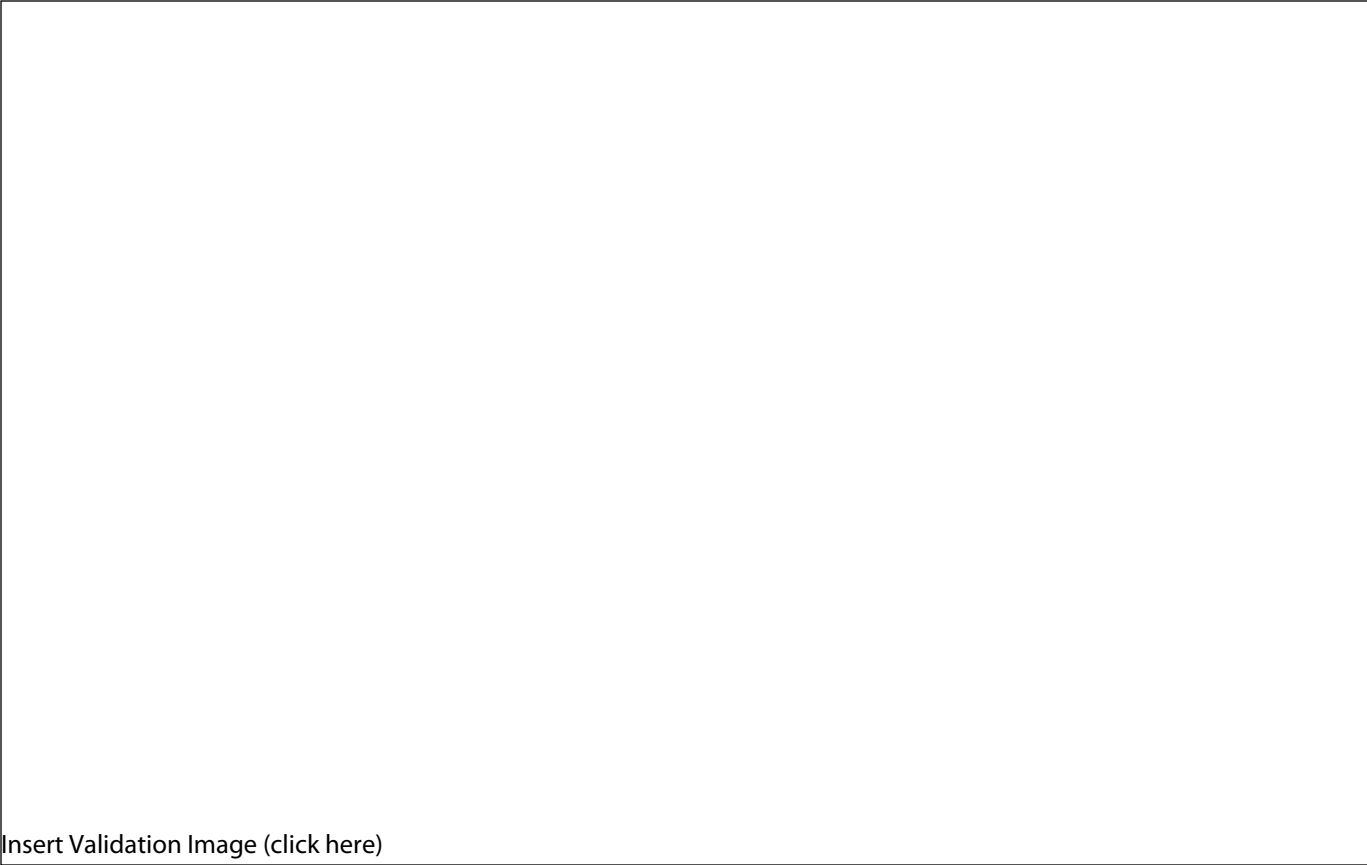Histone Name   AA modified   AA Position   Modification
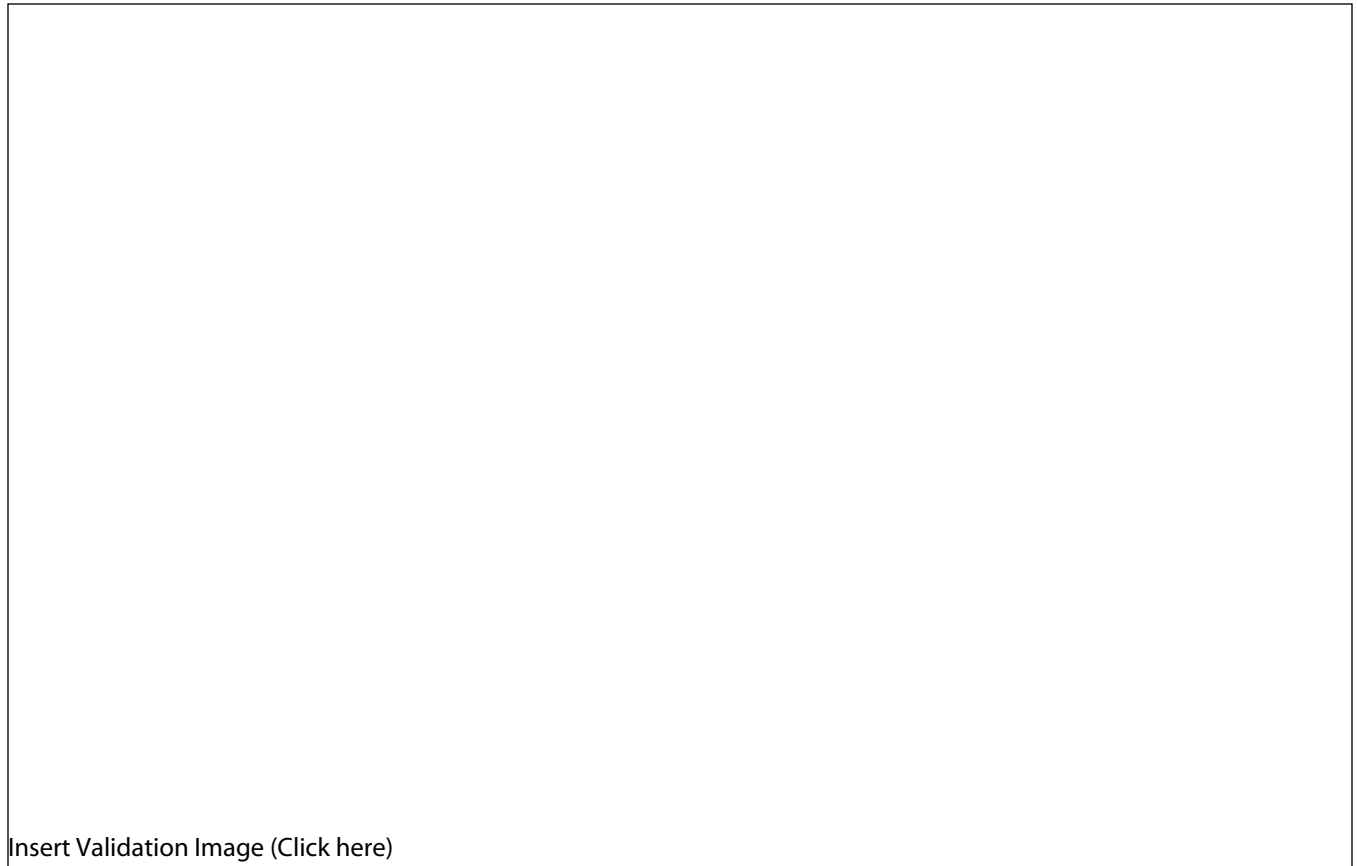
Validation #1
Analysis

Insert Validation Image (click here)

Validation #2
Analysis

Insert Validation Image (Click here)

Validation 2: CREB1_(SC-240) Results of IP-Mass Spec for the ~50 kDa band identified in IP-Western from Validation 1. The target protein,CREB1, is identified in entry no. 8a.

Entry no.	Protein	Protein probability	Percent share of spectrum id's	Description
1	UniRef100_C9JEA8	1	1.31	Putative uncharacterized protein ENSP00000396184
2a	UniRef100_A8JZY9	1	1.15	cDNA FLJ78587
3a	UniRef100_A8K9C4	0.9993	0.73	Elongation factor 1-alpha
4a	UniRef100_B2RA03	1	16.34	cDNA, FLJ94640, highly similar to Homo sapiens keratin 18 (KRT18), mRNA
4b	UniRef100_P13645	1	4.4	Keratin, type I cytoskeletal 10
4c	UniRef100_P35527	1	1.91	Keratin, type I cytoskeletal 9
4d	UniRef100_P08727	1	1.08	Keratin, type I cytoskeletal 19
4e	UniRef100_C9JAF0	0.9998	1.09	Putative uncharacterized protein ENSP00000391831
4f	UniRef100_A1A4E9	0.9998	0.48	Keratin 13
5a	UniRef100_C5IWV5	1	10.9	Trypsinogen
6a	UniRef100_P02769	1	6.48	Serum albumin
7a	UniRef100_P05787	1	7.88	Keratin, type II cytoskeletal 8
7b	UniRef100_P04264	1	5.72	Keratin, type II cytoskeletal 1
7c	UniRef100_P35908	1	2.5	Keratin, type II cytoskeletal 2 epidermal
7d	UniRef100_B0YJC4	1	0.63	Vimentin variant 3
7e	UniRef100_P08729	0.9998	1.05	Keratin, type II cytoskeletal 7
8a	**UniRef100_P16220**	**1**	**0.95**	**Cyclic AMP-responsive element-binding protein 1; CREB1**
9a	UniRef100_Q4R4H6	1	11.74	Brain cDNA, clone: QflA-11253, similar to human actin, gamma 1 (ACTG1),
9b	UniRef100_P0CG38	1	2	POTE ankyrin domain family member I
9c	UniRef100_B4E315	0.9995	3.05	cDNA FLJ51195, highly similar to Actin, gamma-enteric smooth muscle
9d	UniRef100_Q562R1	0.9936	2.29	Beta-actin-like protein 2
10a	UniRef100_UPI000011 1654	1	1.72	MONOCLONAL ANTIBODY MAK33
11	UniRef100_P06872	0.9957	1.15	Anionic trypsin
12	UniRef100_A1L0V1	0.9883	0.19	ACTN1 protein (Fragment)
13	UniRef100_A5JHP3	0.9856	0.38	Dermcidin isoform 2
14	UniRef100_A0N5G3	0.9838	0.57	Rheumatoid factor G9 light chain (Fragment)
15	UniRef100_UPI0000E1 F682	0.9794	0.58	PREDICTED: similar to [Human Ig rearranged gamma chain mRNA, V-J-C region and complete cds.], gene product
16	UniRef100_P19474	0.9733	0.19	52 kDa Ro protein