

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

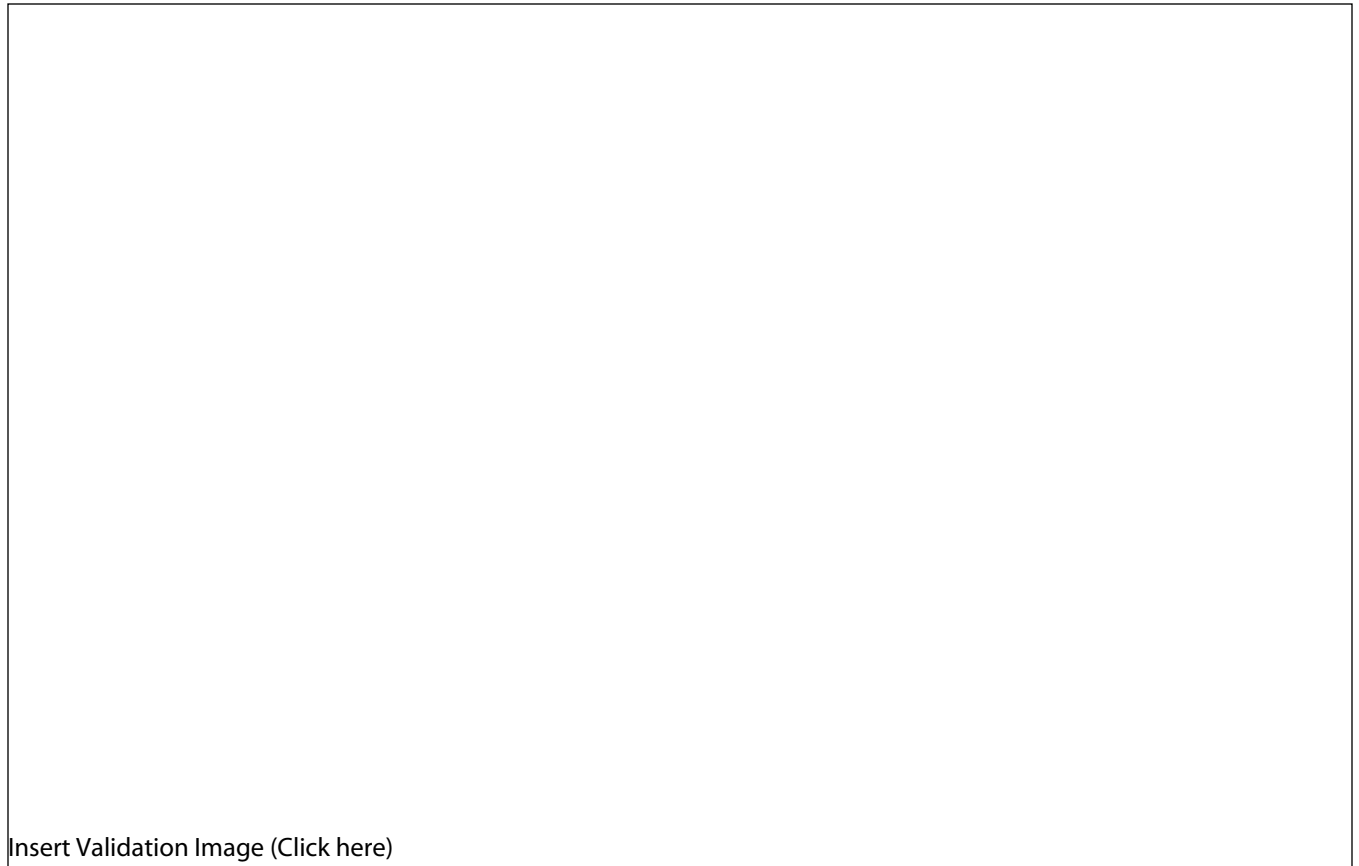
Validation #1
Analysis



Insert Validation Image (click here)



Validation #2
Analysis



Insert Validation Image (Click here)

Validation 2: BTF33_(SC-166093). Results of IP-Mass Spec for the ~27 kDa band identified in IP-Western from Validation 1. The target protein, BTF3, is identified in entry no. 9a.

Entry no.	Protein	Protein probability	Percent share of spectrum id's	Description
1	UniRef100_P00762	1	1.1	Anionic trypsin-1
2a	UniRef100_B2R4P2	1	1.23	cDNA, FLJ92164, highly similar to Homo sapiens peroxiredoxin 1 (PRDX1), mRNA
3a	UniRef100_B4DKS8	1	1.26	cDNA FLJ57121, highly similar to Heterogeneous nuclear ribonucleoprotein F
4a	UniRef100_B5MDF5	1	3.22	Putative uncharacterized protein RAN
5a	UniRef100_C5I WV5	1	16.82	Trypsinogen
6a	UniRef100_P02769	1	1.51	Serum albumin
7a	UniRef100_P04264	1	13.86	Keratin, type II cytoskeletal 1
7b	UniRef100_P35908	1	3.11	Keratin, type II cytoskeletal 2 epidermal
8a	UniRef100_P13645	1	13.55	Keratin, type I cytoskeletal 10
8b	UniRef100_P35527	1	3.08	Keratin, type I cytoskeletal 9
9a	UniRef100_P20290	1	14.86	Transcription factor BTF3
10a	UniRef100_Q13765	1	1.86	Nascent polypeptide-associated complex subunit alpha
10b	UniRef100_Q9BZK3	0.9997	1.38	Putative nascent polypeptide-associated complex subunit alpha-like protein
11a	UniRef100_Q6PIQ7	1	1.22	IGL@ protein
12a	UniRef100_Q9NP29	1	1.49	Microfibrillar protein 2 (Fragment)
13a	UniRef100_UPI00017 BDB42	1	2.68	FabOX117 Light Chain Fragment
14	UniRef100_A8JZY9	0.9927	0.75	cDNA FLJ78587
15	UniRef100_B2R679	0.9927	0.5	cDNA, FLJ92825, highly similar to Homo sapiens SAR1a gene homolog 1 (S. cerevisiae) (SARA1), mRNA
16	UniRef100_O14514	0.9927	0.25	Brain-specific angiogenesis inhibitor 1
17	UniRef100_P30043	0.9927	0.5	Flavin reductase
18	UniRef100_Q13643	0.9927	0.25	Four and a half LIM domains protein 3
19	UniRef100_UPI0001A E79B7	0.9927	0.25	UPI0001AE79B7 related cluster
20	UniRef100_A8K088	0.9906	0.25	cDNA FLJ78614, highly similar to Homo sapiens eukaryotic translation initiation factor 4A, isoform 1 (EIF4A1), mRNA
21	UniRef100_B7Z8M7	0.9891	0.5	cDNA FLJ57768, highly similar to Ras-related protein Rab-1A
22	UniRef100_A8K854	0.9848	0.25	HCG1983504, isoform CRA_f
23	UniRef100_P06872	0.9844	0.89	Anionic trypsin

Validation 2: BTF33_(SC-166093). Results of IP-Mass Spec for the ~32 kDa band identified in IP-Western from Validation 1. The target protein, BTF3, is identified in entry no. 23.

Entry no.	Protein	Protein probability	Percent share of spectrum id's	Description
1	UniRef100_B4DL87	1	0.46	cDNA FLJ52243, highly similar to Heat-shock protein beta-1
2	UniRef100_P00762	1	0.79	Anionic trypsin-1
3	UniRef100_P35527	1	2.91	Keratin, type I cytoskeletal 9
5a	UniRef100_B2RCV1	1	2.27	cDNA, FLJ96310, highly similar to Homo sapiens solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5 (SLC25A5), mRNA
6a	UniRef100_B3KNB4	1	1.97	cDNA FLJ14168 fis, clone NT2RP2001440, highly similar to 14-3-3 protein gamma
6b	UniRef100_P63104	1	0.85	14-3-3 protein zeta/delta
7a	UniRef100_B4DN72	1	4.73	cDNA FLJ55910, highly similar to Keratin, type II cuticular Hb6
7b	UniRef100_P78386	1	3.48	Keratin, type II cuticular Hb5
7c	UniRef100_Q9NSB2	1	2.78	Keratin, type II cuticular Hb4
9a	UniRef100_B4DW52	1	0.76	cDNA FLJ55253, highly similar to Actin, cytoplasmic 1
10a	UniRef100_C5I WV5	1	10.47	Trypsinogen
11a	UniRef100_P02769	1	2.89	Serum albumin
12a	UniRef100_P04264	1	12.53	Keratin, type II cytoskeletal 1
12b	UniRef100_P35908	1	5.65	Keratin, type II cytoskeletal 2 epidermal
12c	UniRef100_B4DL32	0.9998	1.35	cDNA FLJ59922, highly similar to Keratin, type II cytoskeletal 5
13a	UniRef100_P13645	1	10.79	Keratin, type I cytoskeletal 10
13b	UniRef100_Q15323	1	3.41	Keratin, type I cuticular Ha1
13c	UniRef100_C4AMA3	1	1.89	Putative uncharacterized protein KRT34
13d	UniRef100_P02533	1	1.74	Keratin, type I cytoskeletal 14
13e	UniRef100_Q14525	1	2.08	Keratin, type I cuticular Ha3-II
13f	UniRef100_O76013	1	0.43	Keratin, type I cuticular Ha6
13g	UniRef100_P08779	0.9998	1.16	Keratin, type I cytoskeletal 16
14a	UniRef100_Q13765	1	1.73	Nascent polypeptide-associated complex subunit alpha
14b	UniRef100_Q9BZK3	1	1.55	Putative nascent polypeptide-associated complex subunit alpha-like protein
15a	UniRef100_Q58FF8	1	0.96	Putative heat shock protein HSP 90-beta 2
16a	UniRef100_Q6PIQ7	1	1.3	IGL@ protein
17a	UniRef100_Q9NP29	1	2.32	Microfibrillar protein 2 (Fragment)
18a	UniRef100_UPI00017 BDB42	1	3.03	FabOX117 Light Chain Fragment

19	UniRef100_A8JZY9	0.9899	0.39	cDNA FLJ78587
20	UniRef100_B4DKS8	0.9899	0.58	cDNA FLJ57121, highly similar to Heterogeneous nuclear ribonucleoprotein F
21	UniRef100_B4DUK1	0.9899	0.19	cDNA FLJ51310, moderately similar to Peroxiredoxin-6 (EC 1.11.1.15)
22	UniRef100_Q52LG2	0.9899	0.19	Keratin-associated protein 13-2
23	UniRef100_D6RDG3	0.9889	0.39	Putative uncharacterized protein BTF3
24	UniRef100_Q3LI77	0.9889	0.19	Keratin-associated protein 13-4
25	UniRef100_O00299	0.9879	0.19	Chloride intracellular channel protein 1
26	UniRef100_A8K088	0.9859	0.19	cDNA FLJ78614, highly similar to Homo sapiens eukaryotic translation initiation factor 4A, isoform 1 (EIF4A1), mRNA
27	UniRef100_Q9NSJ1	0.9829	0.19	Putative zinc finger protein 834
28	UniRef100_A4D2J6	0.978	0.19	Phosphoglycerate mutase
29	UniRef100_P19474	0.9531	0.19	52 kDa Ro protein
30	UniRef100_Q2M2I5	0.952	0.19	Keratin, type I cytoskeletal 24