

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: CBX3 (SC-101004) IP-Mass Spec of the 23 kDa band identified in IP-Western in Validation 1. Target protein (CBX3) was identified as entry number 10a with 100% probability. CBX5 and CBX1 were also identified, indicating cross-reactivity of the antibody.

Entry no.	Protein	Protein probability	Percent share of spectrum id's	Description
3a	UniRef100_B4DMJ5,UniRef100_B4DMU8,UniRef100_B4DY90,UniRef100_B7ZAF0,UniRef100_P07437,UniRef100_Q5JP53,UniRef100_Q6LC01,UniRef100_UPI0001AE72AC	1	1.6	cDNA FLJ53012, highly similar to Tubulin beta-7 chain
4a	UniRef100_C5I WV5,UniRef100_P00761	1	1.79	Trypsinogen
5a	UniRef100_P02769,UniRef100_UPI000179EC85	1	1.31	Serum albumin
6a	UniRef100_P04264	1	15.89	Keratin, type II cytoskeletal 1
6b	UniRef100_P35908	1	8.33	Keratin, type II cytoskeletal 2 epidermal
6c	UniRef100_B4E1T1,UniRef100_P13647,UniRef100_UPI0001AE6B0C	1	2.43	cDNA FLJ54081, highly similar to Keratin, type II cytoskeletal 5
6d	UniRef100_P04259	0.9876	2.65	Keratin, type II cytoskeletal 6B
7a	UniRef100_P13645,UniRef100_UPI00017BCE7F	1	12.06	Keratin, type I cytoskeletal 10
7b	UniRef100_P35527	1	7.39	Keratin, type I cytoskeletal 9
7c	UniRef100_P02533	1	3.21	Keratin, type I cytoskeletal 14
8a	UniRef100_P30050,UniRef100_Q59F19	1	1.93	60S ribosomal protein L12
9a	UniRef100_P45973	1	8.98	Chromobox protein homolog 5
10a	UniRef100_Q13185	1	14.62	Chromobox protein homolog 3
10b	UniRef100_B5MD17,UniRef100_P83916	1	4.52	Putative uncharacterized protein CBX1
11a	UniRef100_UPI00017BDB42	1	2.45	FabOX117 Light Chain Fragment
12a	UniRef100_B4DV51,UniRef100_B5MDF5,UniRef100_P62826,UniRef100_UPI0000E59AAE	0.9999	0.55	cDNA FLJ52168, highly similar to GTP-binding nuclear protein Ran
14	UniRef100_A1A508,UniRef100_A8CED1,UniRef100_A8CED3,UniRef100_B1AN99,UniRef100_P35030,UniRef100_P35030-2,UniRef100_P35030-3,UniRef100_Q6ISJ4,UniRef100_Q7Z5F4,UniRef100_Q86W20,UniRef100_Q8N2U3,UniRef100_UPI000021129C,UniRef100_UPI0000E21E68,UniRef100_UPI0001AE6E33	0.9806	0.33	PRSS3 protein
15	UniRef100_A0S0W7,UniRef100_A0S2P1,UniRef100_A0S3T1,UniRef100_A0SA07,UniRef100_A1Z455,UniRef100_A1Z4V2,	0.9792	0.98	Cytochrome c oxidase subunit 2