

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

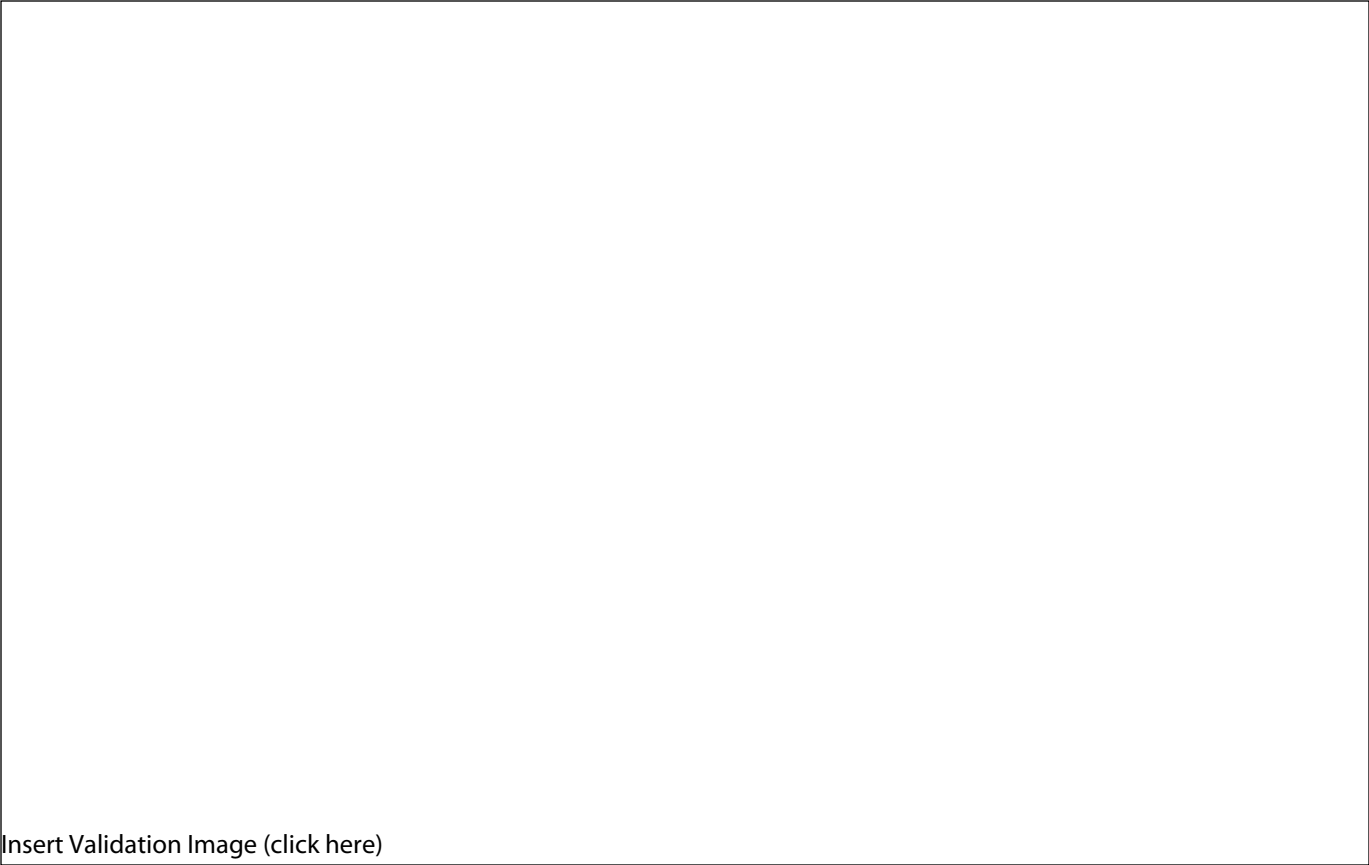
AA Position

Modification

Validation #1
Analysis



Insert Validation Image (click here)



Validation #2
Analysis



Insert Validation Image (Click here)

34 entries (13 single hits) retrieved from
/home/TPP/tpp/20110617_Bowling/int-gb_20110617_LTQ_Bowling_CEBPB-sequest.prot.xml

* corresponds to peptide is_nondegenerate_evidence flag

1	UniRef100_B4DP56 UniRef100_P12277 UniRef100_UPI0001AE69A0 1.0000 max confidence: coverage: num unique tot indep share of 1.00 7.8% peps: 2 spectra: 5 id's: 1.16% >DNA FLJ52237, highly similar to Creatine kinase B-type (EC 2.7.3.2) n=1 Tax=Homo sapiens RepID=B4DP56_HUMAN Length: 346aa >Creatine kinase B-type n=1 Tax=Homo sapiens RepID=KCRB_HUMAN >UPI0001AE69A0 related cluster n=1 Tax=Homo sapiens RepID=UPI0001AE69A0
2	UniRef100_P35527 1.0000 confidence: coverage: num unique tot indep share of 1.00 21.5% peps: 10 spectra: 23 id's: 5.32% >Keratin, type I cytoskeletal 9 n=1 Tax=Homo sapiens RepID=K1C9_HUMAN Length: 623aa
3	UniRef100_P49411 1.0000 confidence: coverage: num unique tot indep share of 1.00 15.5% peps: 6 spectra: 14 id's: 3.26% >Elongation factor Tu, mitochondrial n=1 Tax=Homo sapiens RepID=EFTU_HUMAN Length: 452aa
4	UniRef100_Q9N0W4 UniRef100_Q9N0W6 1.0000 max confidence: coverage: num unique tot indep share of 1.00 11.3% peps: 2 spectra: 6 id's: 1.40% >Anti-human A33 heavy chain domain (Fragment) n=1 Tax=Oryctolagus cuniculus RepID=Q9N0W4_RABIT Length: 124aa >Anti-human A33 heavy chain domain (Fragment) n=1 Tax=Oryctolagus cuniculus RepID=Q9N0W6_RABIT
10a	UniRef100_B2RA03 UniRef100_P05783 1.0000 max confidence: coverage: num unique tot indep share of 1.00 19.8% peps: 8 spectra: 16 id's: 3.49% >cDNA, FLJ94640, highly similar to Homo sapiens keratin 18 (KRT18), mRNA n=1 Tax=Homo sapiens RepID=B2RA03_HUMAN Length: 430aa >Keratin, type I cytoskeletal 18 n=1 Tax=Homo sapiens RepID=K1C18_HUMAN
10b	UniRef100_P13645 UniRef100_UPI00017BCE7F 1.0000 max confidence: coverage: num unique tot indep share of 1.00 4.1% peps: 2 spectra: 3 id's: 0.86% >Keratin, type I cytoskeletal 10 n=1 Tax=Homo sapiens RepID=K1C10_HUMAN Length: 584aa >keratin, type I cytoskeletal 10 n=1 Tax=Homo sapiens RepID=UPI00017BCE7F
11a	UniRef100_B3KM39 UniRef100_Q9H0C8 1.0000 max confidence: coverage: num unique tot indep share of 1.00 33.2% peps: 18 spectra: 43 id's: 9.76% >cDNA FLJ10181 fis, clone HEMBA1004227, highly similar to Homo sapiens integrin-linked kinase-associated serine/threonine phosphatase 2C (ILKAP), transcript variant 1, mRNA n=1 Tax=Homo sapiens RepID=B3KM39_HUMAN Length: 392aa >Integrin-linked kinase-associated serine/threonine phosphatase 2C n=1 Tax=Homo sapiens RepID=ILKAP_HUMAN
12a	UniRef100_B4DTG2 UniRef100_P26641 1.0000 max confidence: coverage: num unique tot indep share of 1.00 5.3% peps: 2 spectra: 5 id's: 1.16% subsumed entries: 1 >cDNA FLJ56389, highly similar to Elongation factor 1-gamma n=1 Tax=Homo sapiens RepID=B4DTG2_HUMAN Length: 487aa >Elongation factor 1-gamma n=2 Tax=Homo sapiens RepID=EF1G_HUMAN
13a	UniRef100_CSIWV5 UniRef100_P00761 1.0000 max confidence: coverage: num unique tot indep share of 1.00 24.7% peps: 24 spectra: 58 id's: 8.88% subsumed entries: 2 >Trypsinogen n=1 Tax=Sus scrofa RepID=CSIWV5_PIG Length: 246aa >Trypsin n=1 Tax=Sus scrofa RepID=TRYP_PIG
14a	UniRef100_O14929 UniRef100_Q6P594 1.0000 max confidence: coverage: num unique tot indep share of 1.00 7.8% peps: 2 spectra: 2 id's: 0.46% >Histone acetyltransferase type B catalytic subunit n=2 Tax=Homininae RepID=HAT1_HUMAN Length: 419aa >Histone acetyltransferase 1 n=1 Tax=Homo sapiens RepID=Q6P594_HUMAN
15a	UniRef100_P02769 UniRef100_UPI000179EC85 1.0000

		max			share of		
	confidence:	coverage:	num unique	tot indep	spectrum	subsumed	
	1.00	9.2%	peps: 6	spectra: 14	id's: 3.25%	entries: 3	
	>Serum albumin n=1 Tax=Bos taurus RepID=ALBU_BOVIN						Length: 607aa
	>Serum albumin precursor (Allergen Bos d 6) (BSA). n=1 Tax=Bos taurus RepID=UPI000179EC85						
16a	UniRef100_P04264 1.0000						
	confidence:	coverage:	num unique	tot indep	share of	subsumed	
	1.00	25.6%	peps: 16	spectra: 38	id's: 8.77%	entries: 3	
	>Keratin, type II cytoskeletal I n=1 Tax=Homo sapiens RepID=K2C1_HUMAN						Length: 644aa
17a	UniRef100_P05787 UniRef100_Q7L4M3 UniRef100_Q96910 1.0000						
	confidence:	coverage:	num unique	tot indep	share of	subsumed	
	1.00	7.9%	peps: 2	spectra: 3	id's: 0.70%		
	>Keratin, type II cytoskeletal 8 n=1 Tax=Homo sapiens RepID=K2C8_HUMAN						Length: 483aa
	>KRT8 protein n=1 Tax=Homo sapiens RepID=Q7L4M3_HUMAN						
	>KRT8 protein (Fragment) n=1 Tax=Homo sapiens RepID=Q96910_HUMAN						
18a	UniRef100_P06576 UniRef100_Q0QEN7 1.0000						
	confidence:	coverage:	num unique	tot indep	share of	subsumed	
	1.00	11.2%	peps: 4	spectra: 9	id's: 2.07%		
	>ATP synthase subunit beta, mitochondrial n=1 Tax=Homo sapiens RepID=ATPB_HUMAN						Length: 529aa
	>ATP synthase subunit beta (Fragment) n=1 Tax=Homo sapiens RepID=Q0QEN7_HUMAN						
19a	UniRef100_P17676 UniRef100_Q9BSC0 1.0000						
	confidence:	coverage:	num unique	tot indep	share of	subsumed	
	1.00	22.6%	peps: 2	spectra: 3	id's: 0.69%		
	>CCAAT/enhancer-binding protein beta n=1 Tax=Homo sapiens RepID=CEBPB_HUMAN						Length: 345aa
	>CEBPB protein (Fragment) n=2 Tax=Eutheria RepID=Q9BSC0_HUMAN						
20a	UniRef100_P19474 1.0000						
	confidence:	coverage:	num unique	tot indep	share of	subsumed	
	1.00	29.9%	peps: 14	spectra: 37	id's: 8.48%	entries: 1	
	>52 kDa Ro protein n=1 Tax=Homo sapiens RepID=RO52_HUMAN						Length: 475aa
21a	UniRef100_Q562R1 1.0000						
	confidence:	coverage:	num unique	tot indep	share of	subsumed	
	1.00	14.1%	peps: 5	spectra: 12	id's: 2.55%		
	>Beta-actin-like protein 2 n=1 Tax=Homo sapiens RepID=ACTBL_HUMAN						Length: 376aa
22	UniRef100_P06872 0.9952						
	confidence:	coverage:	num unique	tot indep	share of	subsumed	
	1.00	6.9%	peps: 4	spectra: 11	id's: 0.78%		
	>Anionic trypsin n=2 Tax=Canis lupus familiaris RepID=TRY2_CANFA						Length: 247aa
23	UniRef100_A6NK07 UniRef100_B5BU01 UniRef100_P20042 UniRef100_Q4R5G5 UniRef100_Q96116 0.9933						
	confidence:	coverage:	num unique	tot indep	share of	subsumed	
	0.21	5.1%	peps: 1	spectra: 2	id's: 0.47%		
	>Eukaryotic translation initiation factor 2 subunit 2-like protein n=1 Tax=Homo sapiens RepID=IF2BL_HUMAN						Length: 327aa
	>Eukaryotic translation initiation factor 2 beta n=1 Tax=Homo sapiens RepID=B5BU01_HUMAN						
	>Eukaryotic translation initiation factor 2 subunit 2 n=2 Tax=Homo sapiens RepID=IF2B_HUMAN						
	>Brain cDNA, clone: QnpA-11816, similar to human eukaryotic translation initiation factor 2, subunit 2beta, 38kDa (EIF2S2), n=1 Tax=Macaca fascicularis RepID=Q4R5G5_MACFA						
	>EIF2S2 protein n=1 Tax=Homo sapiens RepID=Q96116_HUMAN						
24	UniRef100_B4DEW9 UniRef100_B4DMT5 UniRef100_O00303 0.9933						
	confidence:	coverage:	num unique	tot indep	share of	subsumed	
	0.22	8.2%	peps: 1	spectra: 3	id's: 0.70%		
	>cDNA FLJ52478, highly similar to Eukaryotic translation initiation factor 3 subunit 5 n=1 Tax=Homo sapiens RepID=B4DEW9_HUMAN						Length: 208aa
	>cDNA FLJ52696, highly similar to Eukaryotic translation initiation factor 3 subunit 5 n=1 Tax=Homo sapiens RepID=B4DMT5_HUMAN						
	>Eukaryotic translation initiation factor 3 subunit F n=2 Tax=Homo sapiens RepID=EIF3F_HUMAN						
25	UniRef100_B4DL86 UniRef100_B4E2U0 UniRef100_P52209 0.9933						
	confidence:	coverage:	num unique	tot indep	share of	subsumed	
	0.11	4.0%	peps: 1	spectra: 1	id's: 0.23%		
	>6-phosphogluconate dehydrogenase, decarboxylating n=1 Tax=Homo sapiens RepID=B4DL86_HUMAN						Length: 429aa
	>6-phosphogluconate dehydrogenase, decarboxylating n=1 Tax=Homo sapiens RepID=B4E2U0_HUMAN						
	>6-phosphogluconate dehydrogenase, decarboxylating n=3 Tax=Homo sapiens RepID=6PGD_HUMAN						

26 UniRef100_P07954 UniRef100_P07954-2 **0.9933**
max share of
confidence: coverage: num unique tot indep spectrum
0.10 3.9% peps: 1 spectra: 3 id's: 0.70%
>Fumarate hydratase, mitochondrial n=2 Tax=Homo sapiens RepID=FUMH_HUMAN Length: 510aa
>Isoform Cytoplasmic of Fumarate hydratase, mitochondrial n=1 Tax=Homo sapiens RepID=P07954-2

27 UniRef100_P22695 UniRef100_Q4R4W6 **0.9933**
max share of
confidence: coverage: num unique tot indep spectrum
0.11 2.9% peps: 1 spectra: 1 id's: 0.23%
>Cytochrome b-c1 complex subunit 2, mitochondrial n=1 Tax=Homo sapiens RepID=QCR2_HUMAN Length: 453aa
>Brain cDNA, clone: QtrA-12443, similar to human ubiquinol-cytochrome c reductase core protein II(UQCRC2), n=1 Tax=Macaca fascicularis
RepID=Q4R4W6_MACFA

28 [UniRef100_P52597 0.9933](#)
max share of
confidence: coverage: num unique tot indep spectrum
0.12 3.9% peps: 1 spectra: 3 id's: 0.70%
>Heterogeneous nuclear ribonucleoprotein F, N-terminally processed n=1 Tax=Homo sapiens RepID=HNRPF_HUMAN Length: 415aa

29 UniRef100_Q13268 UniRef100_Q13268-2 UniRef100_Q59F08 **0.9933**
max share of
confidence: coverage: num unique tot indep spectrum
0.26 10.2% peps: 1 spectra: 2 id's: 0.47%
>Dehydrogenase/reductase SDR family member 2 n=3 Tax=Homo sapiens RepID=DHRS2_HUMAN Length: 258aa
>Isoform 2 of Dehydrogenase/reductase SDR family member 2 n=1 Tax=Homo sapiens RepID=Q13268-2
>Dehydrogenase/reductase (SDR family) member 2 isoform 2 variant (Fragment) n=1 Tax=Homo sapiens RepID=Q59F08_HUMAN

30 UniRef100_B4DTC3 UniRef100_B4E0W4 UniRef100_B9ZVU1 UniRef100_D6RAF8 UniRef100_D6RF44 UniRef100_Q12771
UniRef100_Q14103 UniRef100_Q14103-2 UniRef100_Q14103-3 UniRef100_Q14103-4 UniRef100_UPI0001D3B53A **0.9926**
max share of
confidence: coverage: num unique tot indep spectrum
0.35 12.5% peps: 1 spectra: 3 id's: 0.70%
>cDNA FLJ54150, highly similar to Heterogeneous nuclear ribonucleoprotein D0 n=2 Tax=Eutheria RepID=B4DTC3_HUMAN Length: 303aa
>cDNA FLJ61020, highly similar to Heterogeneous nuclear ribonucleoprotein D0 n=1 Tax=Homo sapiens RepID=B4E0W4_HUMAN
>Putative uncharacterized protein HNRNPD n=1 Tax=Homo sapiens RepID=B9ZVU1_HUMAN
>Putative uncharacterized protein HNRNPD n=3 Tax=Catarrhini RepID=D6RAF8_HUMAN
>Putative uncharacterized protein HNRNPD n=2 Tax=Homo sapiens RepID=D6RF44_HUMAN
>P37 AUF1 n=1 Tax=Homo sapiens RepID=Q12771_HUMAN
>Heterogeneous nuclear ribonucleoprotein D0 n=1 Tax=Homo sapiens RepID=HNRPD_HUMAN
>Isoform 2 of Heterogeneous nuclear ribonucleoprotein D0 n=1 Tax=Homo sapiens RepID=Q14103-2
>Isoform 3 of Heterogeneous nuclear ribonucleoprotein D0 n=1 Tax=Homo sapiens RepID=Q14103-3
>Isoform 4 of Heterogeneous nuclear ribonucleoprotein D0 n=1 Tax=Homo sapiens RepID=Q14103-4
>UPI0001D3B53A related cluster n=1 Tax=Homo sapiens RepID=UPI0001D3B53A

31 [UniRef100_P06733 0.9926](#)
max share of
confidence: coverage: num unique tot indep spectrum
0.11 3.0% peps: 1 spectra: 3 id's: 0.70%
>Alpha-enolase n=1 Tax=Homo sapiens RepID=ENOA_HUMAN Length: 434aa

32 [UniRef100_P23526 0.9920](#)
max share of
confidence: coverage: num unique tot indep spectrum
0.11 2.5% peps: 1 spectra: 1 id's: 0.23%
>Adenosylhomocysteinase n=2 Tax=Homo sapiens RepID=SAHH_HUMAN Length: 432aa

10c UniRef100_B4DE59 UniRef100_C9JM50 UniRef100_P08727 **0.9898**
max share of
confidence: coverage: num unique tot indep spectrum [subsumed](#)
1.00 9.2% peps: 1 spectra: 1 id's: 0.63% [entries: 2](#)
>cDNA FLJ60424, highly similar to Junction plakoglobin n=1 Tax=Homo sapiens RepID=B4DE59_HUMAN Length: 563aa
>Putative uncharacterized protein KRT19 n=1 Tax=Homo sapiens RepID=C9JM50_HUMAN
>Keratin, type 1 cytoskeletal 19 n=1 Tax=Homo sapiens RepID=K1C19_HUMAN

33 UniRef100_D3DTL2 UniRef100_D3DTL4 UniRef100_P13929 UniRef100_P13929-2 UniRef100_P13929-3 UniRef100_Q9NPL4
[UniRef100_UPI0001AE669E 0.9801](#)
max share of
confidence: coverage: num unique tot indep spectrum
0.28 4.4% peps: 1 spectra: 1 id's: 0.23%
>Enolase n=1 Tax=Homo sapiens RepID=D3DTL2_HUMAN Length: 434aa
>Enolase n=1 Tax=Homo sapiens RepID=D3DTL4_HUMAN
>Beta-enolase n=1 Tax=Homo sapiens RepID=ENOB_HUMAN
>Isoform 2 of Beta-enolase n=1 Tax=Homo sapiens RepID=P13929-2
>Isoform 3 of Beta-enolase n=1 Tax=Homo sapiens RepID=P13929-3
>Enolase (Fragment) n=1 Tax=Homo sapiens RepID=Q9NPL4_HUMAN
>UPI0001AE669E related cluster n=1 Tax=Homo sapiens RepID=UPI0001AE669E

34 UniRef100_UPI0000110769 UniRef100_UPI00017BDB42 **0.9590**

confidence:	max	coverage:	num unique	tot indep	share of
0.21		3.3%	peps: 1	spectra: 1	spectrum id's: 0.23%

>ANTIBODY n=1 Tax=Homo sapiens RepID=UPI0000110769
>FabOX117 Light Chain Fragment n=1 Tax=Homo sapiens RepID=UPI00017BDB42

Length: 214aa