

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*

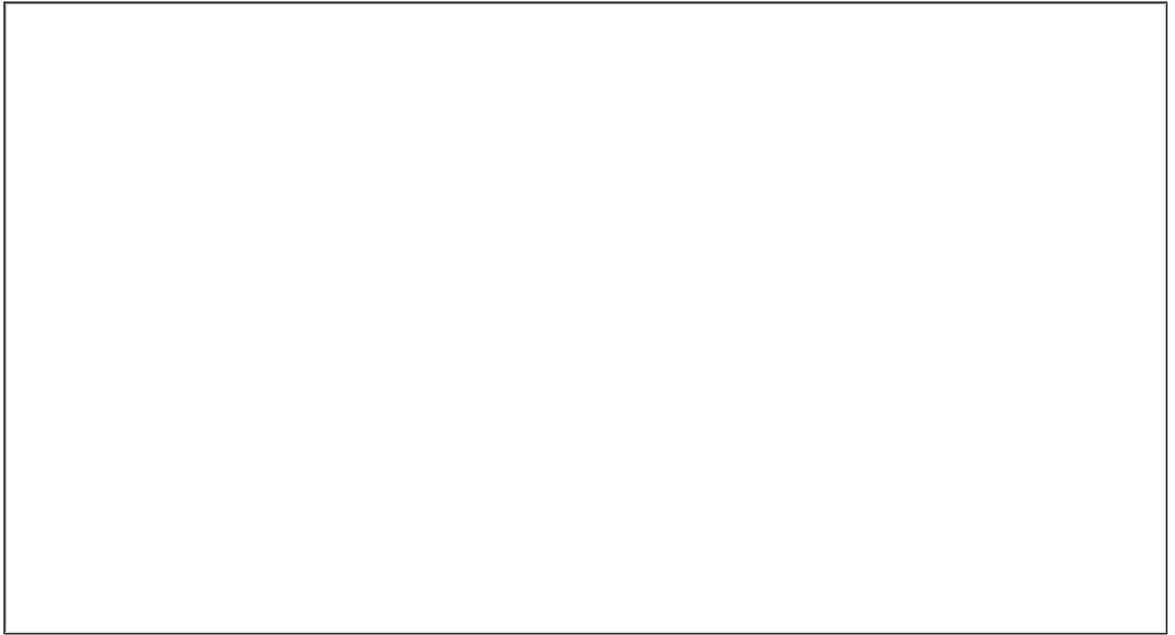
Histone Name

AA modified

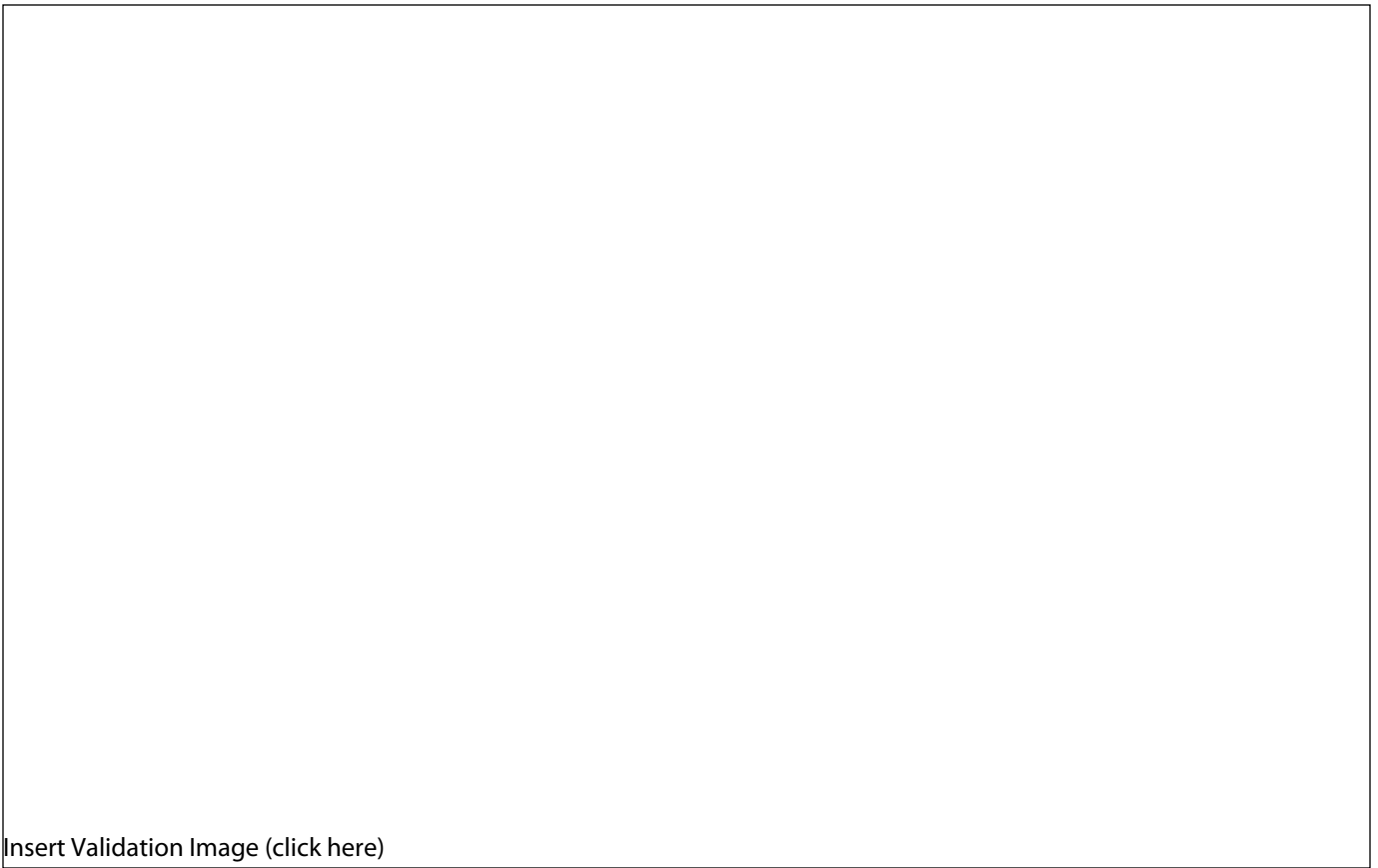
AA Position

Modification

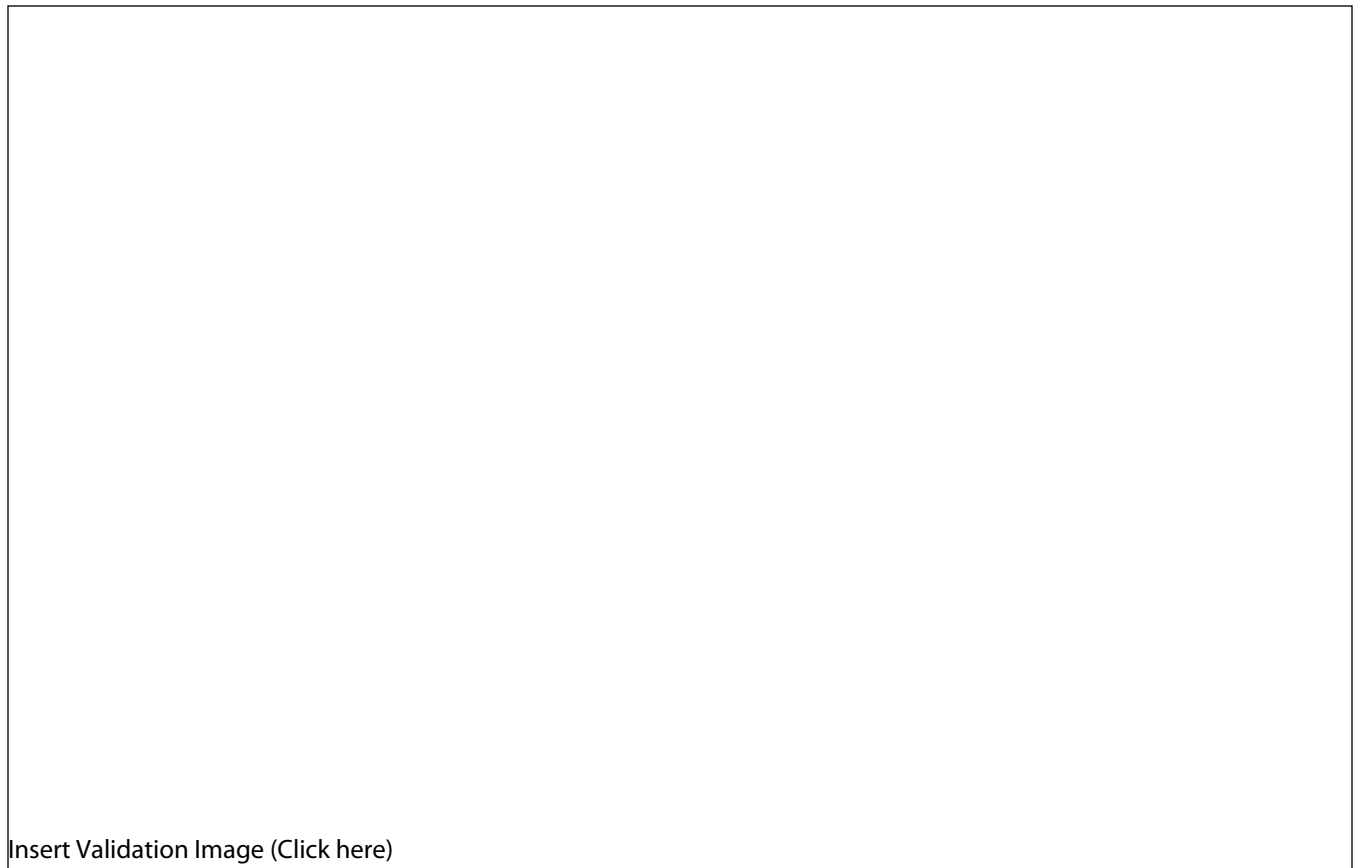
Validation #1
Analysis



Insert Validation Image (click here)



Validation #2
Analysis



Insert Validation Image (Click here)

Results for lower band (~45 kDa):

1

>Keratin, type I cytoskeletal 10 n=1 Tax=Homo sapiens RepID=K1C10_HUMAN

>keratin, type I cytoskeletal 10 n=1 Tax=Homo sapiens RepID=UPI00017BCE7F

2

>Keratin, type II cytoskeletal 2 epidermal n=1 Tax=Homo sapiens RepID=K22E_HUMAN

3

>Keratin, type II cytoskeletal 1 n=1 Tax=Homo sapiens RepID=K2C1_HUMAN

4

>Adipose most abundant gene transcript 2 protein n=2 Tax=Homo sapiens RepID=APM2_HUMAN

5

>Keratin, type I cytoskeletal 9 n=1 Tax=Homo sapiens RepID=K1C9_HUMAN

6

>Dermcidin isoform 2 n=1 Tax=Homo sapiens RepID=A5JHP3_HUMAN

>DCD-1 n=3 Tax=Euarchontoglires RepID=DCD_HUMAN

7

>Trypsinogen n=1 Tax=Sus scrofa RepID=C5IWW5_PIG

>Trypsin n=1 Tax=Sus scrofa RepID=TRYP_PIG

8

>Anti-human A33 heavy chain domain (Fragment) n=1 Tax=Oryctolagus cuniculus RepID=Q9N0W4_RABIT

>Anti-human A33 heavy chain domain (Fragment) n=1 Tax=Oryctolagus cuniculus RepID=Q9N0W6_RABIT

9

>POU domain transcription factor OCT4-pg1 n=1 Tax=Homo sapiens RepID=D5K9V4_HUMAN

>POU domain transcription factor OCT4-pg1 n=1 Tax=Homo sapiens RepID=D5K9W2_HUMAN

10

>Serum albumin n=1 Tax=Bos taurus RepID=ALBU_BOVIN

>Serum albumin precursor (Allergen Bos d 6) (BSA). n=1 Tax=Bos taurus RepID=UPI000179EC85

11

>Keratin, type II cytoskeletal 5 n=1 Tax=Homo sapiens RepID=K2C5_HUMAN

12

>cDNA FLJ78387 n=1 Tax=Homo sapiens RepID=A8K008_HUMAN

>Ig gamma-1 chain C region n=1 Tax=Homo sapiens RepID=IGHG1_HUMAN

>Ig gamma-2 chain C region n=1 Tax=Homo sapiens RepID=IGHG2_HUMAN

>Ig gamma-4 chain C region n=1 Tax=Homo sapiens RepID=IGHG4_HUMAN
>Anti-RhD monoclonal T125 gamma1 heavy chain n=1 Tax=Homo sapiens RepID=Q5EFE5_HUMAN
>IGH@ protein n=1 Tax=Homo sapiens RepID=Q6GMX6_HUMAN
>Putative uncharacterized protein DKFZp686C15213 n=1 Tax=Homo sapiens RepID=Q6MZU6_HUMAN
>Putative uncharacterized protein DKFZp686C11235 n=1 Tax=Homo sapiens RepID=Q6MZV7_HUMAN
>Putative uncharacterized protein DKFZp686M24218 n=1 Tax=Homo sapiens RepID=Q6MZX7_HUMAN
>Putative uncharacterized protein DKFZp686P15220 n=1 Tax=Homo sapiens RepID=Q6N089_HUMAN
>Putative uncharacterized protein DKFZp686I04196 (Fragment) n=1 Tax=Homo sapiens RepID=Q6N093_HUMAN
>IGG1 MCG INTACT ANTIBODY (HEAVY CHAIN) n=1 Tax=Homo sapiens RepID=UPI00001125A4
>Immunoglobulin heavy chain C gene segment n=1 Tax=Homo sapiens RepID=UPI000173A69D
>Immunoglobulin heavy chain C gene segment n=1 Tax=Homo sapiens RepID=UPI000173A69E
>IG GAMMA-1 CHAIN C REGION n=1 Tax=Homo sapiens RepID=UPI000195C290
>PREDICTED: similar to immunoglobulin lambda-like polypeptide 1 n=1 Tax=Homo sapiens RepID=UPI0001A5EB10

13

>Anionic trypsin n=2 Tax=Canis lupus familiaris RepID=TRY2_CANFA

14

>Ig alpha-1 chain C region n=2 Tax=Homo sapiens RepID=IGHA1_HUMAN

>Ig alpha-2 chain C region n=1 Tax=Homo sapiens RepID=IGHA2_HUMAN

>Putative uncharacterized protein DKFZp686L19235 n=1 Tax=Homo sapiens RepID=Q6MZV6_HUMAN
>Putative uncharacterized protein DKFZp686J11235 (Fragment) n=1 Tax=Homo sapiens RepID=Q6MZW0_HUMAN
>Putative uncharacterized protein DKFZp686M08189 n=1 Tax=Homo sapiens RepID=Q6MZX9_HUMAN
>Putative uncharacterized protein DKFZp686G21220 (Fragment) n=1 Tax=Homo sapiens RepID=Q6N090_HUMAN
>Putative uncharacterized protein DKFZp686K18196 (Fragment) n=1 Tax=Homo sapiens RepID=Q6N092_HUMAN
>IGH@ protein n=1 Tax=Homo sapiens RepID=Q6P089_HUMAN

>cDNA FLJ41981 fis, clone SMINT2011888, highly similar to Protein Tro alpha1 H,myeloma n=1 Tax=Homo sapiens RepID=Q6ZVX0_HUMAN

>cDNA FLJ41552 fis, clone COLON2004478, highly similar to Protein Tro alpha1 H,myeloma n=1 Tax=Homo sapiens RepID=Q6ZW64_HUMAN

>Putative uncharacterized protein DKFZp686C02218 (Fragment) n=1 Tax=Homo sapiens RepID=Q7Z374_HUMAN

>Putative uncharacterized protein DKFZp686K04218 (Fragment) n=1 Tax=Homo sapiens RepID=Q7Z379_HUMAN

>cDNA FLJ90170 fis, clone MAMMA1000370, highly similar to Ig alpha-1 chain C region n=1 Tax=Homo sapiens RepID=Q8NCL6_HUMAN

>SNC66 protein n=1 Tax=Homo sapiens RepID=Q8WY24_HUMAN

>CDNA FLJ25298 fis, clone STM07683, highly similar to Protein Tro alpha1 H,myeloma n=1 Tax=Homo sapiens RepID=Q96DK0_HUMAN

>cDNA FLJ14473 fis, clone MAMMA1001080, highly similar to Homo sapiens SNC73 protein (SNC73) mRNA n=1 Tax=Homo sapiens RepID=Q96K68_HUMAN

>Immunoglobulin heavy chain variant (Fragment) n=1 Tax=Homo sapiens RepID=Q9NPP6_HUMAN

>UPI000173A69C related cluster n=1 Tax=Homo sapiens RepID=UPI000173A69C

15

>52 kDa Ro protein n=1 Tax=Homo sapiens RepID=RO52_HUMAN

>Sjogren syndrome antigen A1 n=1 Tax=Homo sapiens RepID=Q5XPV5_HUMAN

Results for upper band (~49 kDa):

1

>Actin-like protein (Fragment) n=8 Tax=Eukaryota RepID=Q562Z6_HUMAN

2

>Trypsinogen n=1 Tax=Sus scrofa RepID=C5IWW5_PIG

>Trypsin n=1 Tax=Sus scrofa RepID=TRYP_PIG

3

>Putative uncharacterized protein ACTA1 n=1 Tax=Homo sapiens RepID=A6NL76_HUMAN

>Actin, alpha 1, skeletal muscle n=1 Tax=Homo sapiens RepID=Q5T8M8_HUMAN

4

>Keratin, type II cytoskeletal 1 n=1 Tax=Homo sapiens RepID=K2C1_HUMAN

5

>Keratin, type I cytoskeletal 10 n=1 Tax=Homo sapiens RepID=K1C10_HUMAN

>keratin, type I cytoskeletal 10 n=1 Tax=Homo sapiens RepID=UPI00017BCE7F

6

>Elongation factor 1-alpha n=1 Tax=Homo sapiens RepID=A8K9C4_HUMAN

>Elongation factor 1-alpha n=1 Tax=Homo sapiens RepID=B4DNE0_HUMAN

>cDNA FLJ54032, highly similar to Elongation factor 1-alpha 1 n=1 Tax=Homo sapiens RepID=B4E2C5_HUMAN

>Elongation factor 1-alpha 1 n=13 Tax=Eutheria RepID=EF1A1_HUMAN

>EEF1A protein (Fragment) n=1 Tax=Homo sapiens RepID=Q14222_HUMAN

>EEF1A1 protein n=3 Tax=Simiiformes RepID=Q504Z0_HUMAN

>Elongation factor 1-alpha (Fragment) n=1 Tax=Homo sapiens RepID=Q53G85_HUMAN

>Elongation factor 1-alpha (Fragment) n=1 Tax=Homo sapiens RepID=Q53G89_HUMAN

>Elongation factor 1-alpha (Fragment) n=1 Tax=Homo sapiens RepID=Q53GE9_HUMAN

>Elongation factor 1-alpha (Fragment) n=1 Tax=Homo sapiens RepID=Q53HM9_HUMAN
>Elongation factor 1-alpha (Fragment) n=1 Tax=Homo sapiens RepID=Q53HQ7_HUMAN
>Elongation factor 1-alpha (Fragment) n=1 Tax=Homo sapiens RepID=Q53HR5_HUMAN
>Putative elongation factor 1-alpha-like 3 n=1 Tax=Homo sapiens RepID=EF1A3_HUMAN
>Elongation factor 1-alpha n=1 Tax=Homo sapiens RepID=Q6IPN6_HUMAN
>Elongation factor 1-alpha n=2 Tax=Homo sapiens RepID=Q6IPT9_HUMAN
>Elongation factor 1-alpha n=1 Tax=Homo sapiens RepID=Q6IQ15_HUMAN
>EEF1A1 protein (Fragment) n=1 Tax=Homo sapiens RepID=Q6P082_HUMAN
>Putative uncharacterized protein (Fragment) n=1 Tax=Homo sapiens RepID=Q8TBL1_HUMAN
>Putative uncharacterized protein (Fragment) n=2 Tax=Homo sapiens RepID=Q96CD8_HUMAN
>Elongation factor 1-alpha n=4 Tax=Eutheria RepID=Q96RE1_HUMAN
>Elongation factor 1-alpha (Fragment) n=1 Tax=Homo sapiens RepID=Q9NZS6_HUMAN
>Elongation factor 1-alpha 1 (EF-1-alpha-1) (Elongation factor 1 A-1) (eEF1A-1) (Elongation factor Tu) (EF-Tu) (Leukocyte receptor cluster member 7). n=1 Tax=Homo sapiens RepID=UPI00015E0621

7

>cDNA FLJ52761, highly similar to Actin, aortic smooth muscle n=2 Tax=Euteleostomi RepID=B4DUI8_HUMAN

8

>POU domain transcription factor OCT4-pg1 n=1 Tax=Homo sapiens RepID=D5K9V4_HUMAN

>POU domain transcription factor OCT4-pg1 n=1 Tax=Homo sapiens RepID=D5K9W2_HUMAN

9

>Keratin, type II cytoskeletal 2 epidermal n=1 Tax=Homo sapiens RepID=K22E_HUMAN

10

>Anti-human A33 heavy chain domain (Fragment) n=1 Tax=Oryctolagus cuniculus RepID=Q9N0W4_RABIT

>Anti-human A33 heavy chain domain (Fragment) n=1 Tax=Oryctolagus cuniculus RepID=Q9N0W6_RABIT

11

>Keratin, type I cytoskeletal 9 n=1 Tax=Homo sapiens RepID=K1C9_HUMAN

12

>Dermcidin isoform 2 n=1 Tax=Homo sapiens RepID=A5JHP3_HUMAN

>DCD-1 n=3 Tax=Euarchontoglires RepID=DCD_HUMAN

13

>cDNA FLJ78504, highly similar to Homo sapiens keratin 6A (KRT6A), mRNA n=1 Tax=Homo sapiens RepID=A8K2I0_HUMAN

>cDNA, FLJ93744, highly similar to Homo sapiens keratin 6E (KRT6E), mRNA n=1 Tax=Homo sapiens RepID=B2R853_HUMAN

>cDNA FLJ53910, highly similar to Keratin, type II cytoskeletal 6A n=1 Tax=Homo sapiens RepID=B4DRR0_HUMAN

>cDNA FLJ54657, highly similar to Keratin, type II cytoskeletal 6A n=1 Tax=Homo sapiens RepID=B4DRU6_HUMAN

>cDNA FLJ51361, highly similar to Keratin, type II cytoskeletal 6A n=1 Tax=Homo sapiens RepID=B4DWU6_HUMAN
>Keratin, type II cytoskeletal 6A n=1 Tax=Homo sapiens RepID=K2C6A_HUMAN
>Keratin, type II cytoskeletal 6C n=1 Tax=Homo sapiens RepID=K2C6C_HUMAN
>UPI0001AE6B0A related cluster n=1 Tax=Homo sapiens RepID=UPI0001AE6B0A
>UPI0001AE6B0B related cluster n=1 Tax=Homo sapiens RepID=UPI0001AE6B0B

14

>cDNA FLJ78587 n=1 Tax=Homo sapiens RepID=A8JZY9_HUMAN
>cDNA FLJ32131 fis, clone PEBLM2000267, highly similar to Tubulin alpha-ubiquitous chain n=1 Tax=Homo sapiens RepID=B3KPS3_HUMAN
>Tubulin, alpha 8, isoform CRA_b n=1 Tax=Homo sapiens RepID=B3KPW9_HUMAN
>cDNA FLJ37398 fis, clone BRAMY2027467, highly similar to Tubulin alpha-ubiquitous chain n=1 Tax=Homo sapiens RepID=B3KT06_HUMAN
>cDNA FLJ60097, highly similar to Tubulin alpha-ubiquitous chain n=1 Tax=Homo sapiens RepID=B4DDU2_HUMAN
>cDNA FLJ53765, highly similar to Tubulin alpha chain n=1 Tax=Homo sapiens RepID=B4DN58_HUMAN
>cDNA FLJ53743, highly similar to Tubulin alpha-3 chain n=1 Tax=Homo sapiens RepID=B4DQK4_HUMAN
>cDNA FLJ55956, highly similar to Tubulin alpha-6 chain n=1 Tax=Homo sapiens RepID=B7Z1K5_HUMAN
>Putative uncharacterized protein TUBA8 n=1 Tax=Homo sapiens RepID=C9J2C0_HUMAN
>Tubulin alpha-1B chain n=10 Tax=Tetrapoda RepID=TBA1B_HUMAN
>Tubulin alpha-4A chain n=8 Tax=Eutheria RepID=TBA4A_HUMAN
>Tubulin alpha-3C/D chain n=6 Tax=Euarchontoglires RepID=TBA3C_HUMAN
>Isoform 2 of Tubulin alpha-3C/D chain n=1 Tax=Homo sapiens RepID=Q13748-2
>Testis cDNA clone: QtsA-11061, similar to human alpha-tubulin isotype H2-alpha (H2-ALPHA), n=1 Tax=Macaca fascicularis RepID=Q4R4C4_MACFA
>Tubulin alpha 6 variant (Fragment) n=1 Tax=Homo sapiens RepID=Q53GA7_HUMAN
>Tubulin alpha-3E chain n=1 Tax=Homo sapiens RepID=TBA3E_HUMAN
>Tubulin alpha-1A chain n=7 Tax=Eutheria RepID=TBA1A_HUMAN
>Putative uncharacterized protein DKFZp686L04275 (Fragment) n=1 Tax=Homo sapiens RepID=Q7Z3M3_HUMAN
>TUBA1C protein n=1 Tax=Homo sapiens RepID=Q8N532_HUMAN
>TUBA1B protein n=1 Tax=Homo sapiens RepID=Q8WU19_HUMAN
>Tubulin alpha-1C chain n=2 Tax=Homininae RepID=TBA1C_HUMAN
>Tubulin alpha-8 chain n=1 Tax=Homo sapiens RepID=TBA8_HUMAN
>Alpha-tubulin (Fragment) n=1 Tax=Homo sapiens RepID=Q9UQM3_HUMAN
>Tubulin alpha-1C chain (Tubulin alpha-6 chain) (Alpha-tubulin 6). n=1 Tax=Homo sapiens RepID=UPI00015DFE80
>tubulin alpha-3 chain, putative n=1 Tax=Pediculus humanus corporis RepID=UPI000186DDE4
>predicted protein n=1 Tax=Pediculus humanus corporis RepID=UPI000186DF3F

>tubulin alpha-1 chain n=1 Tax=Pediculus humanus corporis RepID=UPI000186E399

>tubulin alpha-1 chain, putative n=1 Tax=Pediculus humanus corporis RepID=UPI000186EB2A

>UPI0001AE6ACC related cluster n=1 Tax=Homo sapiens RepID=UPI0001AE6ACC

15

>cDNA, FLJ94640, highly similar to Homo sapiens keratin 18 (KRT18), mRNA n=1 Tax=Homo sapiens RepID=B2RA03_HUMAN

>Keratin, type I cytoskeletal 18 n=1 Tax=Homo sapiens RepID=K1C18_HUMAN

16

>52 kDa Ro protein n=1 Tax=Homo sapiens RepID=RO52_HUMAN

17

>cDNA FLJ59399, highly similar to Keratin, type II cytoskeletal 4 n=1 Tax=Homo sapiens RepID=B4DRR7_HUMAN

>cDNA FLJ58275, highly similar to Keratin, type II cytoskeletal 4 n=1 Tax=Homo sapiens RepID=B4DRS2_HUMAN

>cDNA FLJ55805, highly similar to Keratin, type II cytoskeletal 4 n=1 Tax=Homo sapiens RepID=B4DRW1_HUMAN

>Keratin, type II cytoskeletal 4 n=1 Tax=Homo sapiens RepID=K2C4_HUMAN

>keratin, type II cytoskeletal 4 n=1 Tax=Homo sapiens RepID=UPI0000D9FD95

18

>Keratin, type II cytoskeletal 5 n=1 Tax=Homo sapiens RepID=K2C5_HUMAN

19

>Serum albumin n=1 Tax=Bos taurus RepID=ALBU_BOVIN

>Serum albumin precursor (Allergen Bos d 6) (BSA). n=1 Tax=Bos taurus RepID=UPI000179EC85

20

>cDNA FLJ58658, highly similar to Inhibitor of nuclear factor kappa B kinase subunit beta (EC 2.7.11.10) n=1 Tax=Homo sapiens RepID=B4E0A7_HUMAN

>cDNA FLJ58217, highly similar to Inhibitor of nuclear factor kappa B kinase subunit beta (EC 2.7.11.10) n=1 Tax=Homo sapiens RepID=B4E0U4_HUMAN

>Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta variant (Fragment) n=1 Tax=Homo sapiens RepID=Q59GL9_HUMAN