

# 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

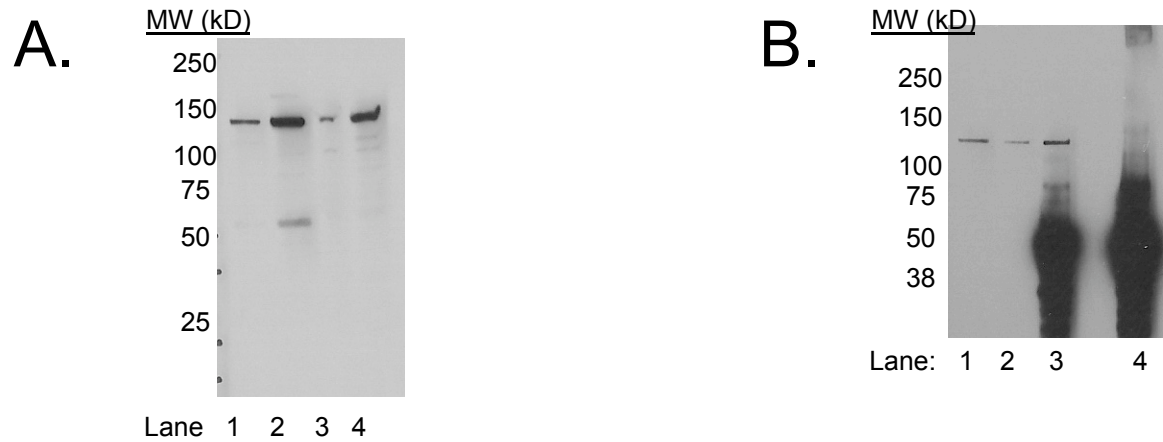


Insert Validation Image (click here)



# SAB2100398 (CEBPZ)

## Immunoblot/immunoprecipitation



**A.** Western blot using SAB2100398. Lanes contain nuclear lysates from GM12878 cells (Lane 1), K562 cells (Lane 2), HeLa S3 cells (Lane 3), and HepG2 cells (Lane 4). **B.** Immunoprecipitation of CEBPZ from K562 cells using SAB2100398. Lane 1: input nuclear lysate, Lane 2: unbound material from immunoprecipitation with ab87525, Lane 3: material immunoprecipitated with ab9263, Lane 4: material immunoprecipitated using control IgG.

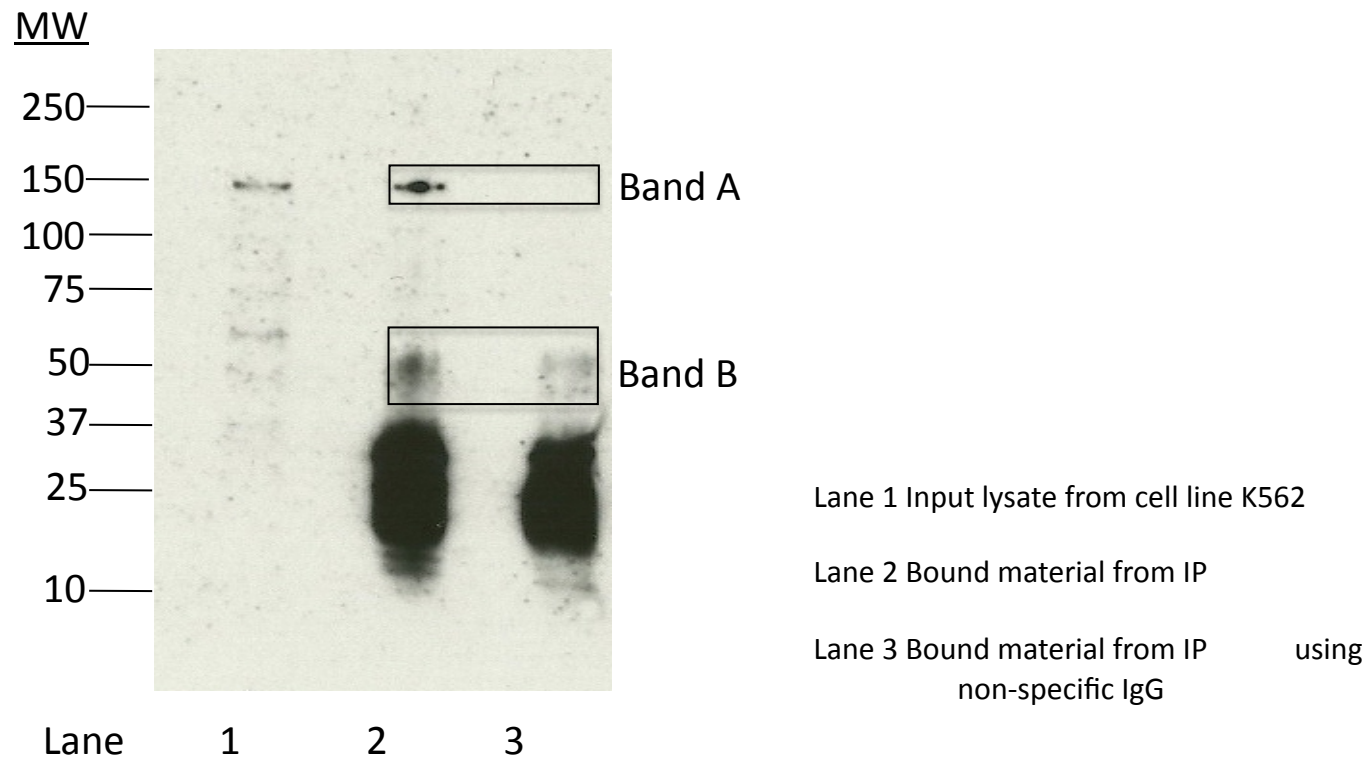
Validation #2  
Analysis



Insert Validation Image (Click here)

# SAB2100398 (CEBPZ)

## Immunoprecipitation/Mass spectrometry



| Spectra      | Name of Protein  | Count of Peptides | PeptideRatio(CEBPZ/IgG control) |
|--------------|--|-------------------|---------------------------------|
| CEBPZ_Band A | CCAAT/enhancer-binding protein zeta                                | 14                | 3.5                             |
| CEBPZ_Band A | ATP-dependent RNA helicase A                                       | 3                 | 0.076923077                     |
| CEBPZ_Band A | FACT complex subunit SPT16   | 3                 | 0.230769231                     |
| CEBPZ_Band A | Deoxynucleotidyltransferase terminal-interacting protein 2         | 2                 | NOT IN CONTROL IP               |
| CEBPZ_Band B | Isoform A of Lamin-A/C   | 19                | 2                               |
| CEBPZ_Band B | ATP synthase subunit alpha, mitochondrial                          | 18                | 8                               |
| CEBPZ_Band B | CCAAT/enhancer-binding protein zeta                                | 15                | NOT IN CONTROL IP               |
| CEBPZ_Band B | Nucleolar protein 58   | 15                | 0.789473684                     |
| CEBPZ_Band B | Heterogeneous nuclear ribonucleoprotein L                          | 13                | NOT IN CONTROL IP               |
| CEBPZ_Band B | Isoform 1 of Heterogeneous nuclear ribonucleoprotein R             | 13                | 2                               |
| CEBPZ_Band B | h/ACA ribonucleoprotein complex subunit 4 isoform 2                | 11                | NOT IN CONTROL IP               |
| CEBPZ_Band B | Histone deacetylase 1  | 10                | NOT IN CONTROL IP               |
| CEBPZ_Band B | Insulin-like growth factor 2 mRNA-binding protein 1                | 10                | 0.769230769                     |
| CEBPZ_Band B | ATP synthase subunit beta, mitochondrial                           | 10                | 2.5                             |
| CEBPZ_Band B | Heterogeneous nuclear ribonucleoprotein H                          | 10                | NOT IN CONTROL IP               |
| CEBPZ_Band B | Probable ATP-dependent RNA helicase DDX5                           | 9                 | 1                               |
| CEBPZ_Band B | Heterogeneous nuclear ribonucleoprotein K                          | 8                 | NOT IN CONTROL IP               |
| CEBPZ_Band B | Nucleolar protein 56   | 8                 | 3.416666667                     |
| CEBPZ_Band B | Pre-mRNA-processing factor 19                                      | 8                 | 8                               |
| CEBPZ_Band B | Eukaryotic initiation factor 4A-III                                | 8                 | NOT IN CONTROL IP               |
| CEBPZ_Band B | Putative uncharacterized protein HNRNPD                            | 8                 | NOT IN CONTROL IP               |
| CEBPZ_Band B | ATP-dependent RNA helicase A                                       | 7                 | 0.583333333                     |
| CEBPZ_Band B | cDNA FLJ45706 fis, clone FEBRA2028457, highly similar to Nucleolin | 7                 | 1.714285714                     |
| CEBPZ_Band B | Histone deacetylase 2  | 7                 | NOT IN CONTROL IP               |
| CEBPZ_Band B | Isoform 2 of Putative oxidoreductase GLYR1                         | 7                 | 1.4                             |
| CEBPZ_Band B | RSL1D1 protein   | 7                 | 3.5                             |
| CEBPZ_Band B | Splicing factor 3A subunit 3                                       | 7                 | 3                               |
| CEBPZ_Band B | Stress-70 protein, mitochondrial                                   | 7                 | 0.875                           |
| CEBPZ_Band B | cDNA FLJ58049, highly similar to RNA-binding protein FUS           | 6                 | 1.714285714                     |
| CEBPZ_Band B | Isoform 1 of Cirhin  | 6                 | 0.857142857                     |
| CEBPZ_Band B | Isoform 2 of Heterogeneous nuclear ribonucleoprotein Q             | 6                 | 1                               |
| CEBPZ_Band B | Isoform 4 of Heterogeneous nuclear ribonucleoprotein Q             | 6                 | 1.2                             |

|              |   |   |                   |
|--------------|---|---|-------------------|
| CEBPZ_Band B | Isoform Long of Heterogeneous nuclear ribonucleoprotein U                 | 6 | 2                 |
| CEBPZ_Band B | Lamin-B2  | 6 | 1                 |
| CEBPZ_Band B | U3 small nucleolar RNA-associated protein 18 homolog                      | 6 | 1                 |
| CEBPZ_Band B | U3 small nucleolar RNA-associated protein 6 homolog                       | 6 | 0.666666667       |
| CEBPZ_Band B | U3 small nucleolar RNA-interacting protein 2                              | 6 | NOT IN CONTROL IP |
| CEBPZ_Band B | Zinc finger protein with KRAB and SCAN domains 4                          | 6 | NOT IN CONTROL IP |
| CEBPZ_Band B | ATP-dependent RNA helicase DDX39  | 6 | 6                 |
| CEBPZ_Band B | cDNA FLJ50996, highly similar to 60S ribosomal protein L4                 | 6 | NOT IN CONTROL IP |
| CEBPZ_Band B | DDB1- and CUL4-associated factor 13                                       | 6 | NOT IN CONTROL IP |
| CEBPZ_Band B | Heterogeneous nuclear ribonucleoprotein F                                 | 6 | NOT IN CONTROL IP |
| CEBPZ_Band B | Heterogeneous nuclear ribonucleoprotein G                                 | 6 | NOT IN CONTROL IP |
| CEBPZ_Band B | Nucleolar complex protein 4 homolog                                       | 6 | NOT IN CONTROL IP |
| CEBPZ_Band B | Isoform 2 of Guanine nucleotide-binding protein-like 3                    | 5 | 1                 |
| CEBPZ_Band B | Isoform 3 of Probable ATP-dependent RNA helicase DDX17                    | 5 | 1.666666667       |
| CEBPZ_Band B | Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15        | 5 | 1.666666667       |
| CEBPZ_Band B | U3 small nucleolar RNA-associated protein 15 homolog                      | 5 | NOT IN CONTROL IP |
| CEBPZ_Band B | Cell growth-regulating nucleolar protein                                  | 5 | NOT IN CONTROL IP |
| CEBPZ_Band B | Isoform 1 of Erlin-2  | 5 | NOT IN CONTROL IP |
| CEBPZ_Band B | Lamin-B receptor  | 5 | 5                 |
| CEBPZ_Band B | probable ATP-dependent RNA helicase DDX47 isoform 2                       | 5 | NOT IN CONTROL IP |
| CEBPZ_Band B | Ribosome biogenesis regulatory protein homolog                            | 5 | NOT IN CONTROL IP |
| CEBPZ_Band B | 59 kDa protein  | 4 | NOT IN CONTROL IP |
| CEBPZ_Band B | 60 kDa heat shock protein, mitochondrial                                  | 4 | 0.571428571       |
| CEBPZ_Band B | Isoform 2 of Nucleolar RNA helicase 2                                     | 4 | 2                 |
| CEBPZ_Band B | Isoform 2 of Very long-chain specific acyl-CoA dehydrogenase, mitochondri | 4 | 2                 |
| CEBPZ_Band B | Putative uncharacterized protein DDX56                                    | 4 | 2                 |
| CEBPZ_Band B | SNW domain-containing protein 1   | 4 | 1.333333333       |
| CEBPZ_Band B | 43 kDa protein  | 4 | 0.210526316       |
| CEBPZ_Band B | Erlin-1   | 4 | NOT IN CONTROL IP |
| CEBPZ_Band B | histone-binding protein RBBP4 isoform c                                   | 4 | NOT IN CONTROL IP |
| CEBPZ_Band B | Isoform 1 of RuvB-like 1  | 4 | NOT IN CONTROL IP |
| CEBPZ_Band B | Leucine-rich repeat-containing protein 15                                 | 4 | NOT IN CONTROL IP |
| CEBPZ_Band B | Nuclease-sensitive element-binding protein 1                              | 4 | NOT IN CONTROL IP |

|              |  |   |                   |
|--------------|--|---|-------------------|
| CEBPZ_Band B | Trifunctional enzyme subunit beta, mitochondrial           | 4 | 4                 |
| CEBPZ_Band B | ATP-dependent RNA helicase DDX3X                           | 3 | 1.5               |
| CEBPZ_Band B | ATPase family AAA domain-containing protein 3A isoform 3   | 3 | 0.375             |
| CEBPZ_Band B | Isoform 1 of Torsin-1A-interacting protein 1               | 3 | NOT IN CONTROL IP |
| CEBPZ_Band B | Isoform Short of TATA-binding protein-associated factor 2N | 3 | 2                 |
| CEBPZ_Band B | Pyruvate kinase  | 3 | NOT IN CONTROL IP |
| CEBPZ_Band B | 60S ribosomal protein L3 isoform b                         | 3 | 3                 |
| CEBPZ_Band B | Bystin   | 3 | NOT IN CONTROL IP |
| CEBPZ_Band B | Cytochrome b-c1 complex subunit 2, mitochondrial           | 3 | NOT IN CONTROL IP |
| CEBPZ_Band B | Isoform 1 of Core histone macro-H2A.1                      | 3 | NOT IN CONTROL IP |
| CEBPZ_Band B | Isoform 3 of Core histone macro-H2A.1                      | 3 | NOT IN CONTROL IP |
| CEBPZ_Band B | ornithine aminotransferase, mitochondrial isoform 2        | 3 | NOT IN CONTROL IP |
| CEBPZ_Band B | Putative uncharacterized protein HNRNPAB                   | 3 | 3                 |
| CEBPZ_Band B | Ribosomal RNA processing protein 1 homolog A               | 3 | NOT IN CONTROL IP |
| CEBPZ_Band B | TUBB6 protein  | 3 | 0.157894737       |
| CEBPZ_Band B | 73 kDa protein   | 2 | NOT IN CONTROL IP |
| CEBPZ_Band B | Isoform 1 of RNA-binding protein 14                        | 2 | NOT IN CONTROL IP |
| CEBPZ_Band B | Isoform 1 of Splicing factor 3B subunit 3                  | 2 | NOT IN CONTROL IP |
| CEBPZ_Band B | Lamin-B1   | 2 | 0.222222222       |
| CEBPZ_Band B | probable ATP-dependent RNA helicase DDX52 isoform b        | 2 | 1                 |
| CEBPZ_Band B | Replication protein A 70 kDa DNA-binding subunit           | 2 | 0.5               |
| CEBPZ_Band B | T-complex protein 1 subunit gamma isoform c                | 2 | 1                 |
| CEBPZ_Band B | cDNA FLJ53912, highly similar to Zinc finger protein 512   | 2 | NOT IN CONTROL IP |
| CEBPZ_Band B | Interleukin enhancer-binding factor 2                      | 2 | 2                 |
| CEBPZ_Band B | Isoform 2 of Polyadenylate-binding protein 2               | 2 | NOT IN CONTROL IP |
| CEBPZ_Band B | Isoform 5 of Interleukin enhancer-binding factor 3         | 2 | NOT IN CONTROL IP |
| CEBPZ_Band B | Phosphoglycerate dehydrogenase                             | 2 | NOT IN CONTROL IP |
| CEBPZ_Band B | Putative uncharacterized protein KRT34                     | 2 | NOT IN CONTROL IP |