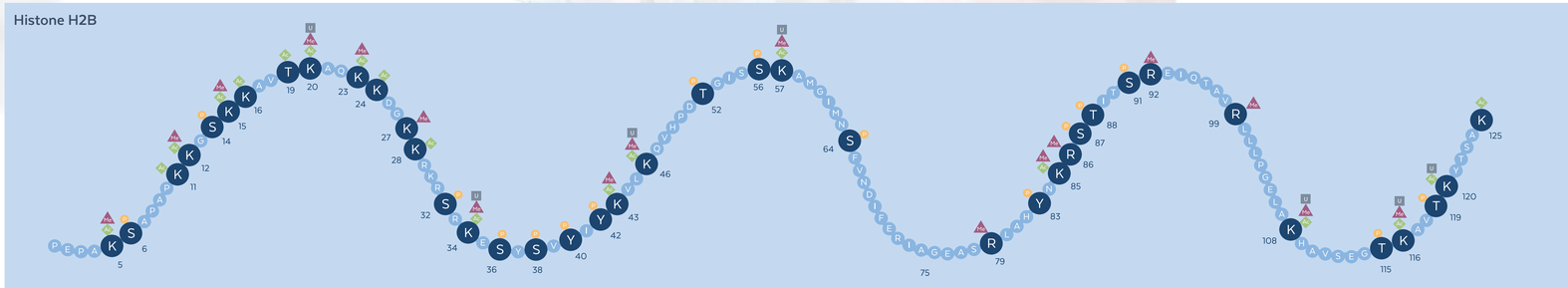
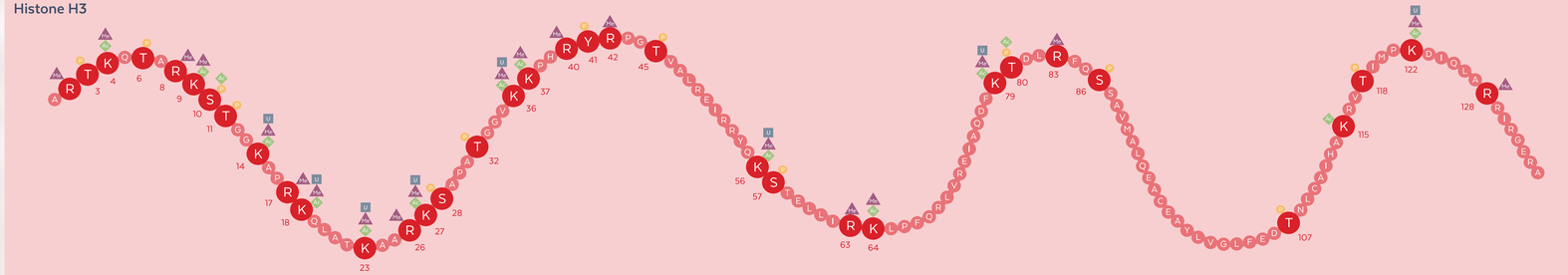
# Histone Modifications Map

## Histone H2A

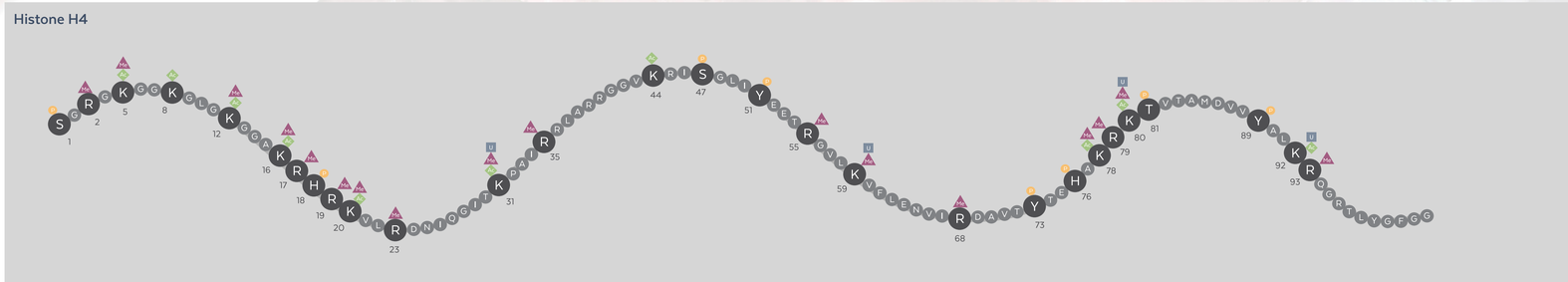
## Histone H2B



## Histone H3



## Histone H4



## Histone Antibodies by Target

### Pan Specific

| Product | Reactivity | Application | Item No. |
|---|---|---|---|
| Lysine Acetylated Antibody | Broad | WB, IP | 600-401-939 |
| Lysine Methylated Antibody | Broad | WB | 600-401-940 |
| SUMO Antibody | Broad | WB, ChIP, IP, ELISA | 200-401-428 |
| Ubiquitin Antibody | Broad | WB, ELISA | 200-401-431 |

### Histone H2A

| Product | Reactivity | Application | Item No. |
|---|---|---|---|
| Histone H2A Zac Antibody | Broad | WB, IF, ChIP, Dot Blot, ELISA | 600-401-V36 |
| Histone H2AvD phosphoS137 Antibody | *D. melanogaster* | WB, IHC, IF, EM, ELISA | 600-401-914 |
| Histone H4 K20me2 Antibody | Human, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-H36 |

### Histone H3

| Product | Reactivity | Application | Item No. |
|---|---|---|---|
| Histone H3 R2me1 Antibody | Human, *C. elegans* | WB, Dot Blot | 600-401-I52 |
| Histone H3 R2me2a Antibody | Human, *C. elegans* | WB, IF, Dot Blot | 600-401-I53 |
| Histone H3 R2me2s/K4me2 Antibody | Human, Mouse, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I85 |
| Histone H3 K4ac Antibody | Human, Mouse, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I60 |
| Histone H3 K4me1 Antibody | Human | WB, Dot Blot, ELISA | 200-401-P02 |
| Histone H3 K4me2 Antibody | Human, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I58 |
| Histone H3 K4me3 Antibody | Human, Mouse, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I59 |
| Histone H3 phospho T6 Antibody | Human, *C. elegans* | WB, IF, Dot Blot | 600-401-I63 |
| Histone H3 R8me2a Antibody | Human, Mouse, *C. elegans* | WB, IHC, IF, ChIP, Dot Blot | 600-401-I67 |
| Histone H3 R8me2s Antibody | Human, *C. elegans* | WB, ChIP, Dot Blot | 600-401-I68 |
| Histone H3 K9ac Antibody | Human, Mouse, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I72 |
| Histone H3 K9ac/K14ac Antibody | Human, Mouse, *C. elegans* | WB, IF, Dot Blot | 600-401-I73 |
| Histone H3 K9me1 Antibody | Human, Mouse, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I69 |
| Histone H3 K9me2 Antibody | Human, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I70 |
| Histone H3 K9me3 Antibody | Human, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I71 |
| Histone H3 phospho S10 Antibody | Human, *C. elegans* | WB, IF, Dot Blot | 600-401-I74 |
| Histone H3 phospho S10/pT11 Antibody | Human, *C. elegans* | WB, IF | 600-401-I75 |
| Histone H3 phospho T11 Antibody | Human | WB, IF, Dot Blot | 600-401-I76 |
| Histone H3 K18ac Antibody | Human, Mouse, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I81 |
| Histone H3 K18me1 Antibody | Human, Mouse | WB, IF, Dot Blot | 600-401-I78 |
| Histone H3 K18me2 Antibody | Human, Mouse, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I79 |
| Histone H3 K18me3 Antibody | Human, Mouse | WB, IF | 600-401-I80 |
| Histone H3 K23ac Antibody | Human, Mouse | WB, Dot Blot | 600-401-I82 |
| Histone H3 K23me2 Antibody | Human, Mouse, Rat, *C. elegans* | WB, ELISA | 600-401-K02 |
| Histone H3 K27ac Antibody | Human, Mouse, *C. elegans* | WB, ChIP, Dot Blot | 600-401-K00 |
| Histone H3 K27 me1 Antibody | Human | WB, IF, ChIP, Dot Blot, ELISA | 600-401-W54 |
| Histone H3 K27 me2 Antibody | Human | WB, IF, ChIP, Dot Blot, ELISA | 600-401-V34 |
| Histone H3 K27me3 Antibody | Human, Mouse, Rat | WB, IF, Dot Blot | 600-401-J99 |
| Histone H3 phospho S28 Antibody | Human, Mouse | WB, IF | 600-401-I83 |
| Histone H3 K36ac Antibody | Human, *C. elegans* | WB, Dot Blot | 600-401-I89 |
| Histone H3 K36me1 Antibody | Human, *C. elegans* | WB, IF, Dot Blot | 600-401-I86 |
| Histone H3 K36me2 Antibody | Human, Mouse, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I87 |
| Histone H3 K36me3 Antibody | Human, Mouse, *C. elegans* | WB, IF, Dot Blot | 600-401-I88 |
| Histone H3 K37me1 Antibody | Human, Mouse, *C. elegans* | WB, IF, Dot Blot | 600-401-I90 |
| Histone H3 K37me2 Antibody | Human, Mouse, *C. elegans* | WB, IF, Dot Blot | 600-401-I91 |
| Histone H3 K37me3 Antibody | Human, *C. elegans* | WB, IF, Dot Blot | 600-401-I92 |
| Histone H3 K56me1 Antibody | Human, Mouse | WB, IF, Dot Blot | 600-401-I93 |
| Histone H3 K56me3 Antibody | Human, *C. elegans* | WB, IF, Dot Blot | 600-401-I94 |
| Histone H3 K79-Me1 Antibody | Human, Mouse, Monkey | WB, IF, ChIP, Dot Blot | 600-401-P10 |
| Histone H3 K79Me3 Antibody | Human, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I95 |

### Histone H4

| Product | Reactivity | Application | Item No. |
|---|---|---|---|
| Histone H4 phospho S1 Antibody | Human | WB, IF, ChIP, Dot Blot | 600-401-I96 |
| Histone H4 R3me1 Antibody | Human, Mouse | WB, IF | 600-401-I97 |
| Histone H4 K5ac Antibody | Human, Mouse | WB, IF, ChIP | 600-401-I98 |
| Histone H4 K8ac Antibody | Human, Mouse, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-I99 |
| Histone H4 K12-Ac Antibody | Human | WB, IF, Dot Blot, Microarray | 600-401-P06 |
| Histone H4 K16ac Antibody | Human, Mouse | WB, IF, Dot Blot | 600-401-J00 |
| Histone H4 K20me1 Antibody | Human, Mouse, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-J01 |
| Histone H4 K20me2 Antibody | Human, *C. elegans* | WB, IF, ChIP, Dot Blot | 600-401-J02 |

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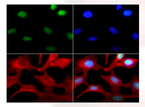
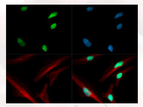
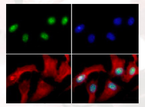


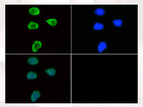
Histone H3 K4me1
600-401-I57



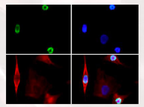
Histone H3 K4ac
600-401-I60



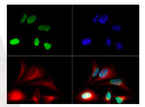
Histone H3 R8me2a
600-401-I67



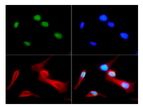
Histone H3 K9me3
600-401-I71



Histone H3 phospho S28
600-401-I83



Histone H3 K79-Me1
600-401-P10



Histone H4 R3me1
600-401-I97

## Legend

Modifications:

- Acetylation
- Methylation
- Ubiquitination
- Phosphorylation

Residues:

A - Alanine
C - Cysteine
D - Aspartic acid
E - Glutamic acid
F - Phenylalanine
G - Glycine
H - Histidine
I - Isoleucine
K - Lysine
L - Leucine
M - Methionine
N - Asparagine
P - Proline
Q - Glutamine
R - Arginine
S - Serine
T - Threonine
V - Valine
W - Tryptophan
Y - Tyrosine