

## Histone H4 (Acetyl Lys8) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP04105
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Histone H4 around the acetylated site of Lys8. AA range:1-50
<b>Mol wt</b>	11367
<b>Species reactivity</b>	Human, Mouse, Rat, Monkey
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Histone H4 (Acetyl Lys8) Antibody
<b>Synonyms</b>	HIST1H4A; H4/A; H4FA; HIST1H4B; H4/I; H4FI; HIST1H4C; H4/G; H4FG; HIST1H4D; H4/B; H4FB; HIST1H4E; H4/J; H4FJ; HIST1H4F; H4/C; H4FC; HIST1H4H; H4/H; H4FH; HIST1H4I; H4/M; H4FM; HIST1H4J; H4/E; H4FE; HI

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. HIST4H4 is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from HIST4H4 lack polyA tails; instead, they contain a palindromic termination element.

### Recommended Dilution

WB: 1: 500 - 1: 2000

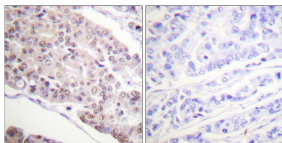
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

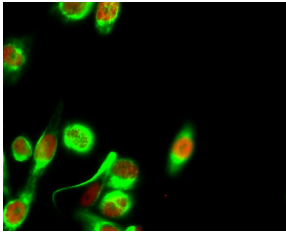
ELISA: 1: 5000

Not yet tested in other applications.

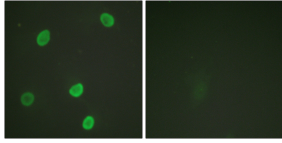
### Images



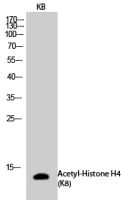
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Histone H4 (Acetyl-Lys8) Antibody. The picture on the right is blocked with the synthesized peptide.



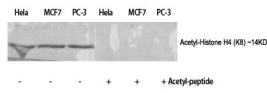
Immunofluorescence analysis of HeLa cell. 1, Histone H4 (Acetyl Lys8) Polyclonal Antibody (red) was diluted at 1:200 (4° overnight). HER2 Monoclonal Antibody (11H9) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50min).



Immunofluorescence analysis of HeLa cells, using Histone H4 (Acetyl-Lys8) Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of KB cells using Acetyl-Histone H4 (K8) Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000



Western Blot analysis of various cells using Acetyl-Histone H4 (K8) Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000

## Storage

-20°C for one year

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