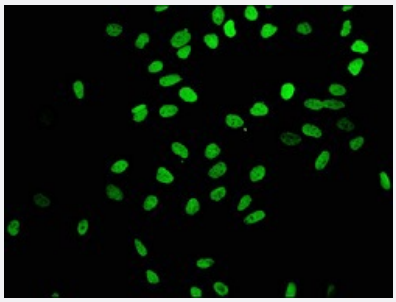
RecomAb™ Sm Size

# Histone H4 (acetyl K16) recombinant monoclonal antibody, clone 2B8

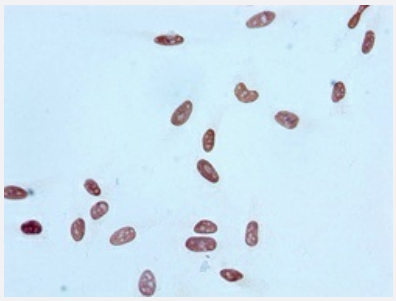
Catalog # RAB07929 Size 50 uL

## Applications



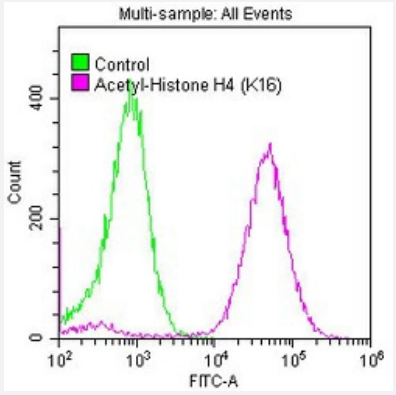
### Immunofluorescence

Immunofluorescent staining of Hela cells with Histone H4 (acetyl K16) recombinant monoclonal antibody (diluated at 1:403). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).



### Immunocytochemistry

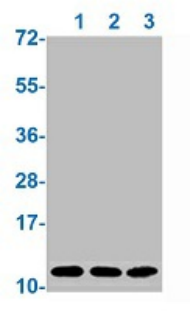
Immunocytochemical staining of HeLa cells with Histone H4 (acetyl K16) recombinant monoclonal antibody(diluated at 1:100).




### Flow Cytometry

Flow cytometric analysis of HeLa cells with Histone H4 (acetyl K16) recombinant monoclonal antibody(diluated at 1:50; purple line) and negative control (green line).

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## Western Blot

Western blot analysis of
Lane 1: 293 whole cell lysate,
Lane 2: HepG2 whole cell lysate and
Lane 3: mouse kidney tissue with Histone H4 (acetyl K16) recombinant monoclonal antibody.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human histone H4. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic acetylated peptide corresponding to residues surroun ding K16 of human histone H4. |
| **Theoretical MW (kDa)** | Calculated MW: 11 kD |
| **Reactivity** | Human, Mouse |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Flow Cytometry<br>Immunocytochemistry (1:50-1:500)<br>Immunofluorescence (1:30-1:200)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide) |
| **Storage Instruction** | store at -20 °C or -80 °C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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## Applications

- Immunofluorescence

  Immunofluorescent staining of Hela cells with Histone H4 (acetyl K16) recombinant monoclonal antibody (diluated at 1:403). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Immunocytochemistry

  Immunocytochemical staining of HeLa cells with Histone H4 (acetyl K16) recombinant monoclonal antibody(diluated at 1:100).

- Flow Cytometry

  Flow cytometric analysis of HeLa cells with Histone H4 (acetyl K16) recombinant monoclonal antibody(diluated at 1:50; purple line) and negative control (green line).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western blot analysis of
  Lane 1: 293 whole cell lysate,
  Lane 2: HepG2 whole cell lysate and
  Lane 3: mouse kidney tissue with Histone H4 (acetyl K16) recombinant monoclonal antibody.

## Gene Info — HIST1H4A

| | |
|---|---|
| **Entrez GeneID** | 8359 |
| **Protein Accession#** | P62805 |
| **Gene Name** | HIST1H4A |
| **Gene Alias** | H4/a, H4FA |
| **Gene Description** | histone cluster 1, H4a |
| **Omim ID** | 602822 |
| **Gene Ontology** | Hyperlink |

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| | |
|---|---|
| **Gene Summary** | Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chro mosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, an d H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and f unctions in the compaction of chromatin into higher order structures. This gene is intronless and e ncodes a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6. [provided by RefSeq |
| **Other Designations** | H4 histone family, member A\|histone 1, H4a |

## Pathway

- Systemic lupus erythematosus

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