

Recombinant Acetyl-Histone H3 Monoclonal Antibody

catalog number: **E-AB-81524**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

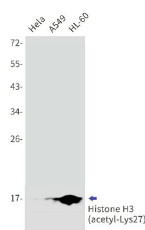
Description

| | |
|---------------------|-----------------------------------------------------------------------------------------------------|
| Reactivity | Human |
| Immunogen | A synthetic acetyl-peptide corresponding to residues surrounding Lys27 of human Histone H3 |
| Host | Rabbit |
| Isotype | IgG |
| Clone | R08-4A0 |
| Purification | Affinity Purified |
| Buffer | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein. |

Applications

| Applications | Recommended Dilution |
|--------------|----------------------|
| WB | 1:500-1:1000 |
| IHC | 1:50-1:100 |
| IF | 1:50-1:100 |

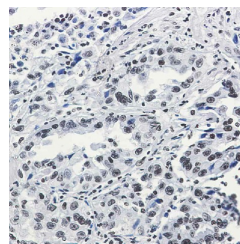
Data



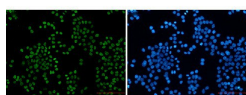
Western blot detection of Histone H3 (acetyl-Lys27) in HeLa, A549, HL-60 cell lysates using Histone H3 (acetyl-Lys27) Rabbit mAb (1:1000 diluted). Predicted band size: 15kDa. Observed band size: 17kDa.

Observed-MW:17 kDa

Calculated-MW:15 kDa



Immunohistochemistry of Histone H3 (acetyl-Lys27) in paraffin-embedded human lung cancer tissue using Histone H3 (acetyl-Lys27) Rabbit mAb at dilution 1:50



Immunofluorescence of Histone H3 (acetyl-Lys27) (green) in HeLa cells using Histone H3 (acetyl-Lys27) Rabbit mAb at dilution 1:50, and DAPI (blue)

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

For Research Use Only

Shipping

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

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