

Recombinant Acetyl-Histone H3 Monoclonal Antibody

catalog number: E-AB-81524

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

Description

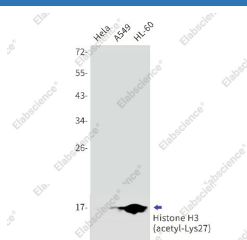
Reactivity	Human
Immunogen	A synthetic acetyl-peptide corresponding to residues surrounding Lys27 of human Histone H3
Host	Rabbit
Isotype	Rabbit IgG
Clone	C313310
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications

Recommended Dilution

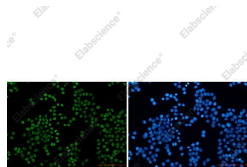
WB	1:500-1:1000
IHC	1:50-1:100
IF	1:50-1:100

Data

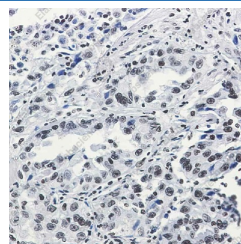


Western blot detection of Histone H3 (acetyl-Lys27) in HeLa, A549, HL-60 cell lysates using Histone H3 (acetyl-Lys27) Rabbit mAb (1:1000 diluted). Predicted band size: 15 kDa. Observed band size: 17 kDa.

Observed-MW: 17 kDa
Calculated-MW: 15 kDa



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



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

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

For Research Use Only

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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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