

## Acetylated Lysine Antibody

**Subcategory:** Modification Specific Antibody, Rabbit Polyclonal Antibody

**Cat. No.:** 251115

**Unit:** 0.1 mg

**Description:**

DNA transcription cannot take place unless DNA is unwound from the nucleosomes. The cell unwinds DNA by acetylation of lysine residues of histones. Research has shown that acetylation of non-histone proteins (e.g. transcription factors) and histones are involved in transcription. Histone acetyltransferases (HAT) acetylate the conserved amino-terminal domains of the four core histones (H2A, H2B, H3 and H4) on lysine residues, whereas histone deacetylases (HDAC) remove them. This pan-specific antibody recognizes proteins with acetyllysine residues. This antibody has been utilized for proteomic studies of protein acetylation, immunoaffinity chromatography separation and isolation of acetylated proteins and peptides from protease-digested whole cells.

**Isotype:** Rabbit Ig

**Applications:** E, IF, IHC, IP, WB

**Species Reactivity:** H, M, R

**Format:** Each vial contains 0.1 mg IgG in 0.4 ml (0.25 mg/ml) of PBS pH7.4, 50% glycerol. Antibody was purified by using acetyllysine-affinity chromatography.

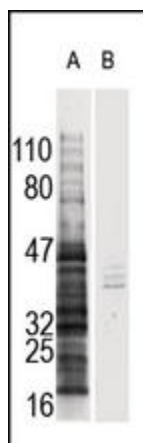
**Alternate Names:** Acetylated Lysine; AcK; Acetyllysine; Acetyl-lysine; AcLys

**Accession No.:** Q16539

**Antigen:** Acetylated KLH-conjugates

**Application Notes:** Cat. No. 251115 has been tested on acetylated histones, acetylated BSA and acetylated MBP.

There is no reaction with non-acetylated proteins. E: 1:500-1:2,000; WB: 1:200-1:1000; IF: 1:50-1:100; IHC: 1:100-1:500



**The Acetylated Lysine Antibody (Cat. No. 251115) is used in Western blot to detect acetylated proteins in HeLa cell lysate (lane A) and acetylated BSA (lane B).**

**Storage:** Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.