

## Acetyl Lysine (Biotin) Polyclonal Antibody

<b>ALTERNATE NAMES:</b>	Acetyl Lysine
<b>CATALOG #:</b>	6125-50
<b>AMOUNT:</b>	50 µg
<b>HOST:</b>	Rabbit
<b>ISOTYPE:</b>	IgG
<b>IMMUNOGEN:</b>	Acetylated KLH
<b>PURIFICATION:</b>	Affinity purified
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	50 µg of antibody in 200 µl PBS, containing 0.01% sodium azide.
<b>SPECIES REACTIVITY:</b>	Acetylated Lysine residue of proteins in multiple species
<b>STORAGE CONDITIONS:</b>	For long term storage, store at -20°C. Avoid freeze/thaw cycles.

**DESCRIPTION:** Post-translational modifications of proteins play critical roles in the regulation and function of many known biological processes. Proteins can be post-translationally modified in many different ways, and a common post-transcriptional modification of lysine involves acetylation. The conserved amino-terminal domains of the four core histones (H2A, H2B, H3, and H4) contain lysines that are acetylated by histone acetyltransferases (HATs) and deacetylated by histone deacetylases (HDACs). Protein post-translational reversible lysine Nε-acetylation and deacetylation have been recognized as an emerging intracellular signaling mechanism that plays critical roles in regulating gene transcription, cell-cycle progression, apoptosis, DNA repair, and cytoskeletal organization. The regulation of protein acetylation status is impaired in the pathologies of cancer and polyglutamine diseases, and HDACs have become promising targets for anti-cancer drugs currently in development.

**SPECIFICITY:** Multiple species

**APPLICATION:** Western blot, IP, ELISA and IF.

**Note:** *This information is only intended as a guide. The optimal dilutions must be determined by the user*

### RELATED PRODUCTS:

- Methyl Lysine (Biotin) Antibody (Cat. No. 6124-50)
- EZH1 Antibody (Cat. No. 6123-50)
- EZH2 Antibody (Cat. No. 3242-100)
- 3-Deazaneplanocin (Cat. No. 2060-250, -1000)
- GSK343 (Cat. No. 2281-1, -5)
- GSK126 (Cat. No. 2282-1, -5)
- BIX 01294 (Cat. No. 1678-5, -25)
- Histone methyltransferase (SUV39H1) Antibody (Cat. No. 3942-100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**