Product Name: Acetyl Lysine(10B10)Mouse Monoclonal Antibody
Catalog #: AMM04164

Summary

Production Name	Acetyl Lysine(10B10)Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,IP
Reactivity	Species independent

Performance

Conjugation	Unconjugated
Modification	Acetyl Antibody
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS, pH 7.4, containing 0.5%BSA, 0.02% New type preservative N as Preservative and 50% Glycerol.
Purification	Affinity purification

Immunogen

Gene Name	
Alternative Names	
Gene ID	
SwissProt ID	.Purified Protein

Application

Dilution Ratio	WB 1:1000-2000, IHC-P 1:200-500, IP 1:100-200, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	

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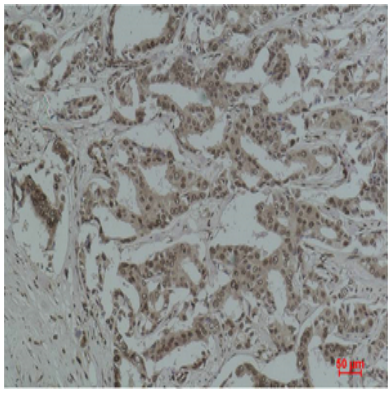
Background

Acetylation of lysine, like phosphorylation of serine, threonine or tyrosine, is an important reversible modification controlling protein activity. 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). Signaling resulting in acetylation/deacetylation of histones, transcription factors, and other proteins affects a diverse array of cellular processes including chromatin structure and gene activity, cell growth, differentiation, and apoptosis. Recent proteomic surveys suggest that acetylation of lysine residues may be a widespread and important form of posttranslational protein modification that affects thousands of proteins involved in control of cell cycle and metabolism, longevity, actin polymerization, and nuclear transport. The regulation of protein acetylation status is impaired in cancer and polyglutamine diseases , and HDACs have become promising targets for anti-cancer drugs currently in development.

Research Area

Image Data

Western blot analysis of 1） Mouse Brain Tissue, 2） Hela, 3） Hela+TSA Treated using Acetyl Lysine Monoclonal Antibody.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using Acetyl Lysine Monoclonal Antibody.

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Note

For research use only.