



Acetyl Lysine Monoclonal Antibody

Cat #: ABM40200

Size: 30µl /100µl /200µl

Product Information

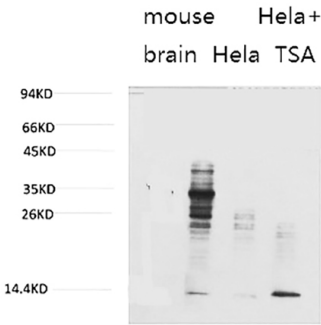
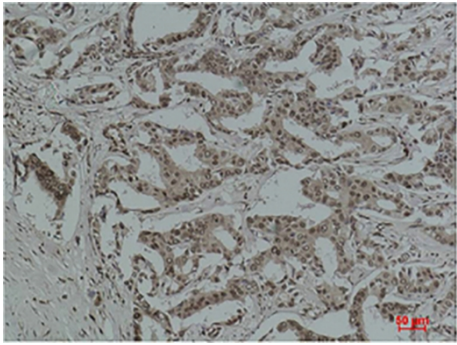
	Product Name: Acetyl Lysine Monoclonal Antibody		
	Applications: WB, IHC-P		Isotype: Mouse IgG1
	Reactivity: All Species Expected		
REF	Catalog Number: ABM40200	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

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.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:2000), IHC-P (1:200-1:500).

Storage Buffer: PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

	<p>Fig.1. Western blot analysis of 1) Mouse Brain Tissue, 2) HeLa, 3) HeLa+TSA Treated using Acetyl Lysine Monoclonal Antibody.</p>
	<p>Fig.2. Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using Acetyl Lysine Monoclonal Antibody.</p>

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