Acetyl Lysine Monoclonal Antibody(10B10)

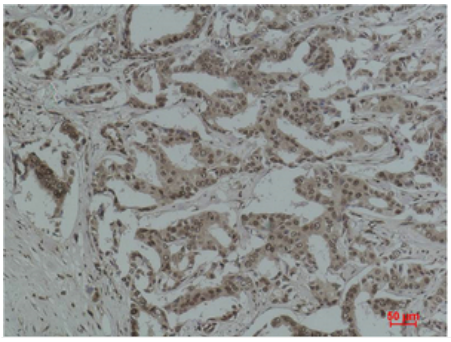
Catalog No	YP-Ab-01147
Isotype	IgG
Reactivity	Species independent
Applications	WB;IHC;IF IP
Gene Name	
Protein Name	
Immunogen	Purified Protein
Specificity	The antibody detects endogenous Acetyl Lysine protein.
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1:1000-2000 IHC: 1:200-500 IP 1:100-200. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	**50kda**
Cell Pathway	
Tissue Specificity	
Function	
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.

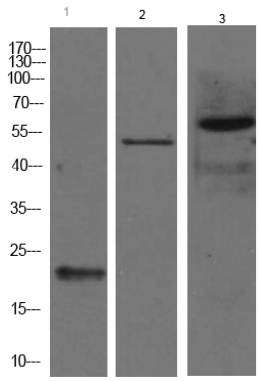
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

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.



Immunoprecipitate analysis of A431 whole cell lysate (pretreated with Trichostatin A) by Acetyl Lysine Monoclonal Antibody(10B10) . lane1: Histone H3 (Acetyl Lys9) Polyclonal Antibody Primary Antibody was diluted at 1:1000. lane2:p53 (Acetyl Lys381) Polyclonal Antibody Primary Antibody was diluted at 1:1000. lane3:NFκB-p65 (Acetyl Lys310) Polyclonal AntibodyPrimary Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS23920 was diluted at 1:10000