



# Acetyl Kine rabbit pAb

Cat No.:ES20844

For research use only

## Overview

<b>Product Name</b>	Acetyl Kine rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB
<b>Species Cross-Reactivity</b>	Species independent
<b>Recommended dilutions</b>	WB: 1:1000-2000
<b>Immunogen</b>	Recombinant Protein of Acetyl Kine
<b>Specificity</b>	The antibody detects endogenous Lysine Acetylated protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	
<b>Gene Name</b>	
<b>Cellular localization</b>	
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	
<b>Observed band</b>	
<b>Human Gene ID</b>	
<b>Human Swiss-Prot Number</b>	
<b>Alternative Names</b>	YM3306
<b>Background</b>	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.

Western blot analysis of 1) HeLa, 2) 3T3, 3) Rat Brain, diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

