

Acetyl Kine Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14070
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of Acetyl Kine
Mol wt	N/A
Species reactivity	Species independent
Clonality	Polyclonal
Recommended application	WB

Concentration

Full name

Synonyms

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

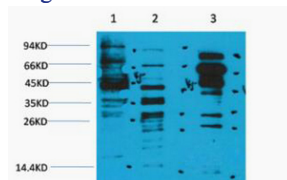
Acetylation of lysine| like phosphorylation of serine| threonine or tyrosine| is an important reversible modification controlling protein activity. The conserved amino-terminal domains of the four core histones (H2A| H2B| H3| and H4) contain lysines that are acetylated by histone acetyltransferases (HATs) 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.

Recommended Dilution

WB: 1: 1000 - 1: 2000

Not yet tested in other applications.

Images



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

Storage

-20°C for 1 year