



Cat. No:	AB-84265
Conjugate:	Unconjugated
Size:	100ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence containing acetylated K.
Reactivity:	ALL SPEICES

Applications:	Western Blot: 1:500 - 1:1000 Immunofluorescence: 1:50 - 1:200 Immunocytochemistry: 1:50 - 1:200
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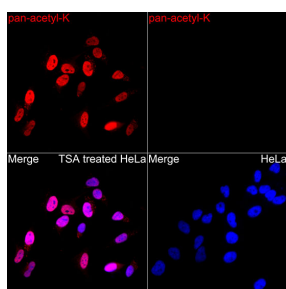
Purification:	Affinity purification
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Background: Acetylation of lysine, like phosphorylation of serine, threonine or tyrosine, is an important reversible modification controlling protein activity. The conserved aminoterminal domains of the four core 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 post-translational 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.

Form:	Liquid
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Buffer:	PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.
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Storage:	Store at -20°C. Avoid freeze / thaw cycles.
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Immunofluorescence analysis of HeLa TSA and HeLa cells using Pan Acetyl-Lysine Rabbit pAb at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti- Rabbit IgG (H+L) at 1:500 dilution.

Blue: DAPI for nuclear staining.

References:

References for Pan Acetyl-Lysine Rabbit pAb

Product:Pan Acetyl-Lysine Rabbit pAb

Journal:Vascular Pharmacology

Application:WB

IF:5.773

Species:Mus musculus

PMID:28069546

Title:G004, a synthetic sulfonyleurea compound, exerts anti-atherosclerosis effects by targeting SIRT1 in ApoE(-/-) mice

References for Pan Acetyl-Lysine Rabbit pAb

Product:Pan Acetyl-Lysine Rabbit pAb

Journal:Oxidative Medicine and Cellular Longevity

Application:WB

IF:6.543

Species:Homo sapiens

PMID:31687081

Title:Bovine Herpesvirus 1 Productive Infection Led to Inactivation of Nrf2 Signaling through Diverse Approaches

References for Pan Acetyl-Lysine Rabbit pAb

Product:Pan Acetyl-Lysine Rabbit pAb

Journal:Laboratory Investigation; a Journal of Technical Methods and Pathology

Application:Co-IP

IF:5.662

Species:Mus musculus

PMID:31641228

Title:Polydatin protects against lipopolysaccharide-induced endothelial barrier disruption via SIRT3 activation

References for Pan Acetyl-Lysine Rabbit pAb

Product:Pan Acetyl-Lysine Rabbit pAb

Journal:Autophagy

Application:IP

IF:16.016

Species:Danio rerio

PMID:30205735

Title:CERKL regulates autophagy via the NAD-dependent deacetylase SIRT1

References for Pan Acetyl-Lysine Rabbit pAb

Product:Pan Acetyl-Lysine Rabbit pAb

Journal:International Journal of Molecular Medicine

Application:WB

IF:4.101

Species:Homo sapiens

PMID:31257461

Title:SIRT1 activation alleviates brain microvascular endothelial dysfunction in peroxisomal disorders.

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