Pan Acetyl-Lysine Polyclonal Antibody

catalog number: **E-AB-40531**

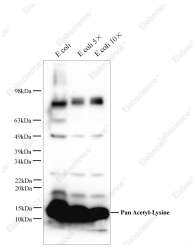
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	All
Immunogen	Acetylated Protein
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Buffer	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

Applications	Recommended Dilution
WB	1:1000-2000
Dot	Blot 1:2000

Data



Western blot with Anti Pan Acetyl-Lysine Polyclonal antibody at dilution of 1:1000. Lane 1:E.coli cell lysate,Lane 2:E.coli(5×) cell lysate,Lane 3:E.coli(10×) cell lysate.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

Acetylation is an important modification of proteins in cell biology. Acetylation occurs in thousands of proteins involved in control of cell cycle and metabolism, longevity, actin polymerization, and nuclear transport. In the nucleus, DNA is tightly packed into nucleosomes generating an environment which is highly repressive towards DNA processes such as transcription.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) (1). 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.

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