

Datasheet for 600-406-939**Lysine Acetylated Antibody Biotin Conjugated****Overview**

Description:	Anti-Lysine Acetylated (AcK) (RABBIT) Antibody Biotin Conjugated - 600-406-939
Item No.:	600-406-939
Size:	100 µg
Applications:	WB
Reactivity:	Broad
Host Species:	Rabbit

Product Details

Background:	Acetylation refers to the process of introducing an acetyl group into a compound. Proteins are typically acetylated on lysine residues and this reaction relies on acetyl-coenzyme A as the acetyl group donor. Biotin Conjugated Anti-Acetylated Lysine antibody is useful in Cancer, Cell Biology and Chromatin & Nuclear Signaling research.
Synonyms:	acetyl Lysine antibody, Acetylated lysine antibody, Lysine antibody
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Broad
Immunogen Type:	Other
Immunogen:	This affinity-purified antibody was prepared from whole rabbit serum produced by repeated immunizations with acetylated lysine conjugated KLH.
Purity/Specificity:	Anti-AcK was prepared from monospecific antiserum by immunoaffinity chromatography using acetylated lysine peptide coupled to agarose followed by conjugation to biotin and subsequent purification. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG and anti-Biotin. Reactivity is specific for acetylated lysine.

Relevant Links: • [600-406-939 SDS](http://600-406-939)

Application Details

Tested Applications:	WB
Application Note:	This affinity-purified antibody is suitable for use in ELISA and western blotting assays. The antibody reacts specifically with acetylated lysine residues. Although not tested, this antibody is likely functional in RIA, flow cytometry and immunohistochemistry.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000
WB:	1:1,000-1:5,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	50% (v/v) Glycerol

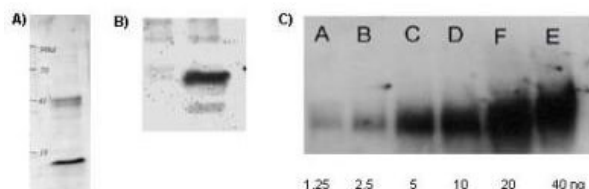
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at -20° C or below prior to opening. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

Western Blot

Rockland's Affinity Purified anti-Acetylated Lysine (AcK) antibody is shown to detect acetylated histone in TSA-treated mouse spleen cell lysate (Panel A); control (left lane) and TSA-treated mouse spleen cell lysate (right lane) in panel B; and in acetylated BSA loaded as indicated (panel C).



Disclaimer

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