

# Anti-acetyl Lysine antibody ab61257

★★★★★ [1 Abreviews](#) [8 References](#) [3 图像](#)

### 概述

<b>产品名称</b>	Anti-acetyl Lysine抗体
<b>描述</b>	兔多克隆抗体to acetyl Lysine
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> ELISA, IHC-P, WB
<b>种属反应性</b>	<b>与反应:</b> Species independent
<b>免疫原</b>	Synthetic acetylated peptide derived from Lysine-acetylated proteins (G-A-K <sup>A</sup> -K <sup>A</sup> -K <sup>A</sup> -K <sup>A</sup> -K <sup>A</sup> -K <sup>A</sup> ).
<b>常规说明</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>存储溶液</b>	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride</p>
<b>纯度</b>	Immunogen affinity purified
<b>纯化说明</b>	ab61257 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific acetylated peptide. The antibody against non-acetylated peptide was removed by chromatography using non-acetylated peptide corresponding to the acetylation site.
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

### 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab61257 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

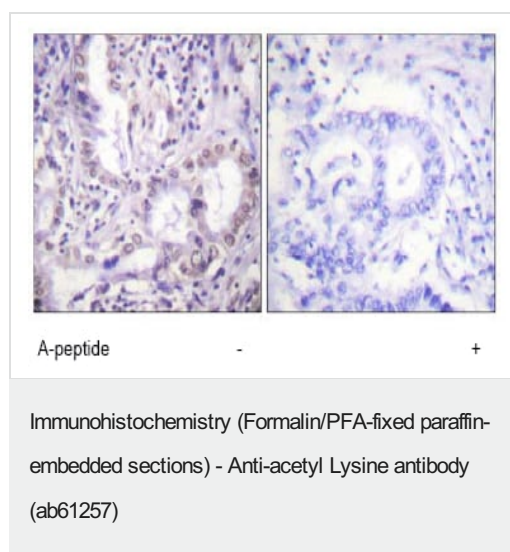
应用	Ab评论	说明
ELISA		1/10000.
IHC-P		1/50 - 1/100.
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 85 kDa.

## 靶标

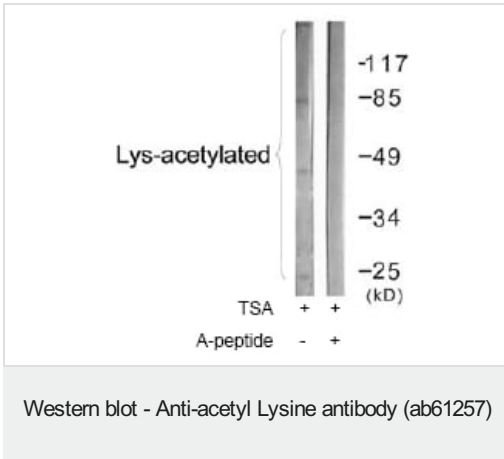
### 相关性

In the nucleus, DNA is tightly packed into nucleosomes generating an environment which is highly repressive towards DNA processes such as transcription. Acetylation of lysine residues within proteins has emerged as an important mechanism used by cells to overcome this repression. The acetylation of non-histone proteins such as transcription factors, as well as histones appears to be involved in this process. Acetylation may result in structural transitions as well as specific signaling within discrete chromatin domains. The role of acetylation in intracellular signaling has been inferred from the binding of acetylated peptides by the conserved bromodomain. Furthermore, recent findings suggest that bromodomain/acetylated-lysine recognition can serve as a regulatory mechanism in protein-protein interactions in numerous cellular processes such as chromatin remodeling and transcriptional activation. The reversible lysine acetylation of histones and non-histone proteins plays a vital role in the regulation of many cellular processes including chromatin dynamics and transcription, gene silencing, cell cycle progression, apoptosis, differentiation, DNA replication, DNA repair, nuclear import, and neuronal repression. More than 20 acetyltransferases and 18 deacetylases have been identified so far, but the mechanistic details of substrate selection and site specificity of these enzymes remain unclear. Over 40 transcription factors and 30 other nuclear, cytoplasmic, bacterial, and viral proteins have been shown to be acetylated in vivo.

## 图片



ab61257 at 1/50 - 1/100 dilution staining Acetyl lysine in human lung carcinoma by Immunohistochemistry, Paraffin-embedded tissue, in the absence or presence of the immunising peptide.



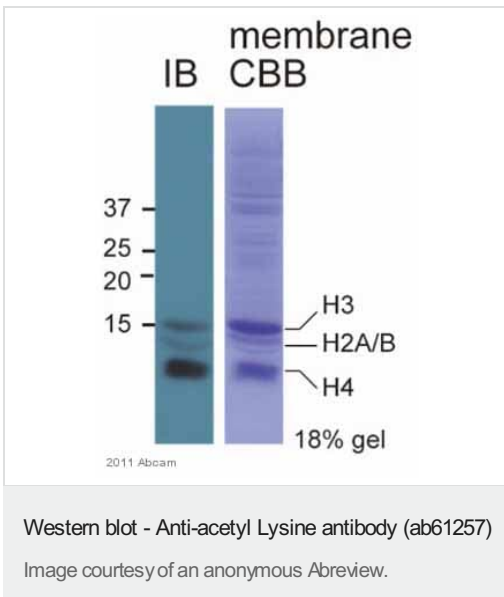
**All lanes :** Anti-acetyl Lysine antibody (ab61257) at 1/500 dilution

**Lane 1 :** COS7 cell extracts treated with TSA (400uM, 24hours)

**Lane 2 :** COS7 cell extracts treated with TSA (400uM, 24hours) with immunising peptide at 5 µg

Lysates/proteins at 5 µg per lane.

**Observed band size:** 120,25,45,85 kDa



293 histone (acid extracted) loaded at 2µg.

Blocking step performed using 0.3% BSA for 12 hours at 4°C.

ab61257 used at a 1/1000 dilution for 1 hour at 25°C.

The secondary used was an HRP conjugated donkey anti-rabbit IgG polyclonal used at a 1/2000 dilution.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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