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Datasheet for ABIN5526683

## Histone 3 ELISA Kit

### 3 Images

#### Overview

Quantity:	96 tests
Target:	Histone 3 (H3)
Binding Specificity:	acetylated
Reactivity:	Human, Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

#### Product Details

Purpose:	Human/Mouse Acetylated-Histone H3 ELISA Kit. This ELISA is for measuring Acetylated-Histone H3 in human and mouse cell lysates.
Sample Type:	Cell Lysate, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes human/mouse Acetylated-Histone H3.
Characteristics:	<ul style="list-style-type: none"><li>• Rapidly measures acetylated protein in lysates</li><li>• Screen numerous different cell lysates without performing a Western Blot analysis</li><li>• Minimal hands-on time, convenient, and non-radioactive material</li></ul>
Components:	<ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li><li>• Wash Buffer</li><li>• Anti-Acetylated Antibody</li><li>• HRP-Conjugated Secondary Antibody</li></ul>

## Product Details

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- Streptavidin-Conjugated HRP
- Assay Diluent
- TMB One-Step Substrate
- Stop Solution
- Lysis Buffer
- Positive Control Sample

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Material not included:	<ul style="list-style-type: none"><li>• Distilled or deionized water</li><li>• 100 mL and 1 liter graduated cylinders</li><li>• Tubes to prepare sample dilutions</li><li>• Protease and Phosphatase inhibitors</li><li>• Precision pipettes to deliver 2 <math>\mu</math>L to 1 mL volumes</li><li>• Adjustable 1-25 mL pipettes for reagent preparation</li><li>• Benchtop rocker or shaker</li><li>• Microplate reader capable of measuring absorbance at 450 nm</li></ul>
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## Target Details

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Target:	Histone 3 (H3)
Alternative Name:	Histone H3 ( <a href="#">H3 Products</a> )
Gene ID:	3020, 3021
UniProt:	<a href="#">P84243</a> , <a href="#">P84244</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none"><li>1. Prepare all reagents and samples as instructed in the manual.</li><li>2. Add 100 <math>\mu</math>L of sample or positive control to each well.</li><li>3. Incubate 2.5 h at RT or O/N at 4 °C.</li><li>4. Add 100 <math>\mu</math>L of prepared primary antibody to each well.</li><li>5. Incubate 1 h at RT.</li><li>6. Add 100 <math>\mu</math>L of prepared 1X HRP-Streptavidin to each well.</li><li>7. Incubate 1 h at RT.</li><li>8. Add 100 <math>\mu</math>L of TMB One-Step Substrate Reagent to each well.</li><li>9. Incubate 30 min at RT.</li><li>10. Add 50 <math>\mu</math>L of Stop Solution to each well.</li><li>11. Read at 450 nm immediately.</li></ol>

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Restrictions:	For Research Use only
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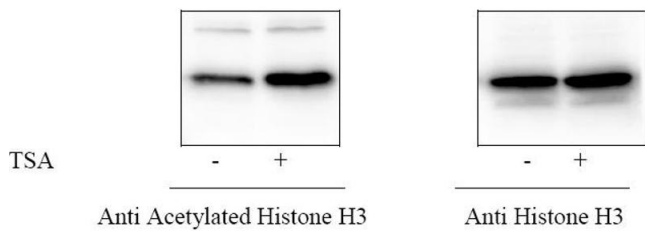
## Handling

Storage: -20 °C

Storage Comment: Upon receipt, the kit should be stored at -20°C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4°C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge, and store at -20°C. Item D, store at 2-8°C for up to one month (store at -20°C for up to 6 months, avoid repeated freeze-thaw cycles). Reconstituted Positive Control (Item K) should be stored at -70°C.

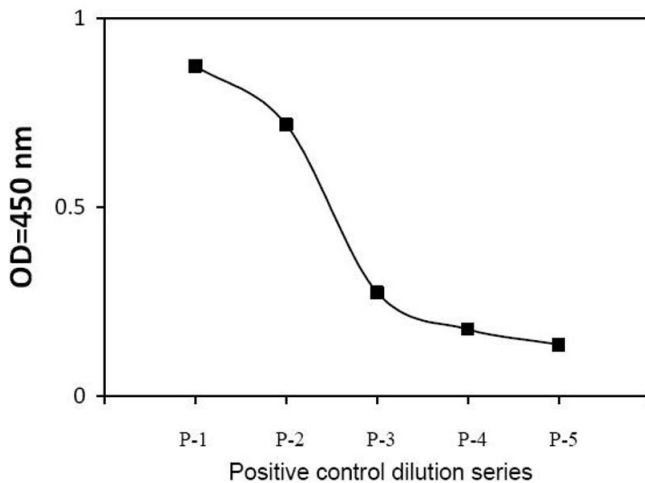
Expiry Date: 6 months

## Images



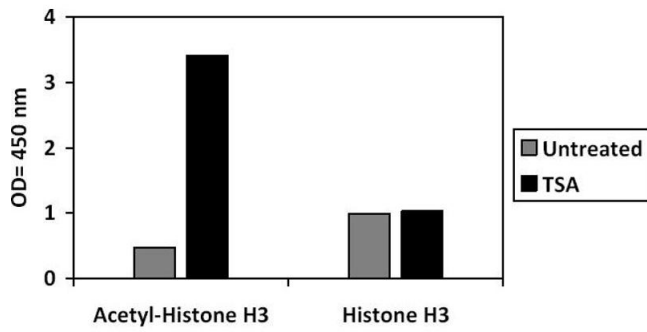
### ELISA

**Image 1.** COS cells were treated or untreated with TSA. Cell lysates were analyzed using this ELISA and Western Blot.



### ELISA

**Image 2.** COS cells were treated with Trichostatin A (TSA). Solubilize cells at  $4 \times 10^7$  cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.



### ELISA

**Image 3.** COS cells were treated or untreated with TSA. Cell lysates were analyzed using this ELISA and Western Blot.