

### Anti-6X His tag® antibody ab9108

★★★★★ [25 Abreviews](#) [150 References](#) [6 图像](#)

#### 概述

|       |  |
|-------|--|
| 产品名称  | Anti-6X His tag®抗体   |
| 描述    | 兔多克隆抗体to 6X His tag®   |
| 宿主    | Rabbit   |
| 特异性   | ELISA: Antibody specificity was verified by ELISA against peptide conjugated to BSA (HHHHHH-BSA). A 1:25,000 dilution of the antibody gave an OD=1.0 in a 15 minute reaction using HRP-conjugated Goat anti-Rabbit IgG at 1:20,000 and TMB as the substrate. Appropriate specificity controls were run.  |
| 经测试应用 | <b>适用于:</b> WB, ICC/IF, ELISA, ChIP  |
| 种属反应性 | <b>与反应:</b> Species independent  |
| 免疫原   | Synthetic peptide corresponding to 6X His tag® conjugated to keyhole limpet haemocyanin.<br><a href="#">Run BLAST with Expasy</a> <a href="#">Run BLAST with NCBI</a>  |
| 阳性对照  | ICC/IF: CHO cells transfected with 12 tags constructs (CHO-12 tags) and HEK293 expressing His tag. WB: HeLa transfected with His-tagged gene, Epitope Tag Positive Control whole cell lysates, purified 12-Tag and cell lysates of CHO-12 Tags.  |
| 常规说明  | <p>This antibody recognizes both C-terminal and N-terminal tags.</p> <p>Abcam recommended secondaries - Goat Anti-Rabbit HRP (<a href="#">ab205718</a>) and Goat Anti-Rabbit Alexa Fluor® 488 (<a href="#">ab150077</a>).</p> <p>See other <a href="#">anti-rabbit secondary antibodies</a> that can be used with this antibody.</p> <p>HIS-TAG® is a trademark of EMD Biosciences, Inc.</p> <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

|    |        |
|----|--------|
| 形式 | Liquid |
|----|--------|

|      |  |
|------|--|
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| 存储溶液 | pH: 7.20<br>Preservative: 0.1% Sodium azide<br>Constituent: PBS  |
| 纯度   | Immunogen affinity purified  |
| 克隆   | 多克隆  |
| 同种型  | IgG  |

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab9108于以下的经测试应用

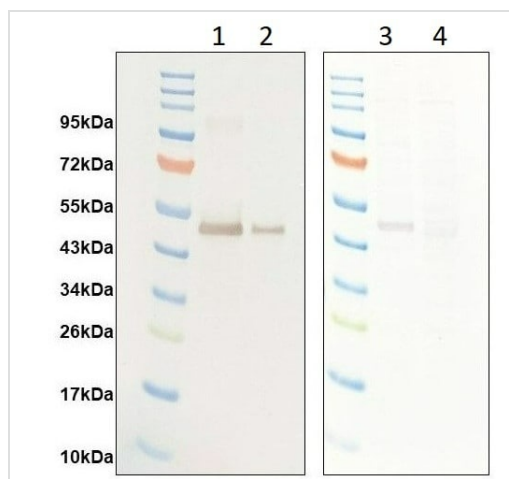
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用     | Ab评论       | 说明  |
|--------|------------|---|
| WB     | ★★★★★ (14) | Use a concentration of 1 µg/ml.   |
| ICC/IF | ★★★★★ (2)  | 1/500 - 1/1000.   |
| ELISA  | ★★★★★ (2)  | 1/1000.   |
| ChIP   |            | Use at an assay dependent concentration. ChIP was performed with 25 ug chromatin, 5ug of antibody and 20 ul of Protein A/G beads. |

靶标

|      |  |
|------|--|
| 相关性  | The H-H-H-H-H-H motif is used as a tag on many recombinant proteins to facilitate purification. His-tags can be fused to the amino- or carboxy- termini of proteins in transfected or transformed cells. |
| 细胞定位 | Depends upon the localization of the parent protein tagged with hexahistidine.   |

图片



Western blot - Anti-6X His tag® antibody (ab9108)

**All lanes :** Anti-6X His tag® antibody (ab9108) at 1 µg/ml

**Lane 1 :** Purified 12-Tag at 2 µg

**Lane 2 :** Purified 12-Tag at 0.2 µg

**Lane 3 :** The cell lysates of CHO-12 Tags at 2 µg

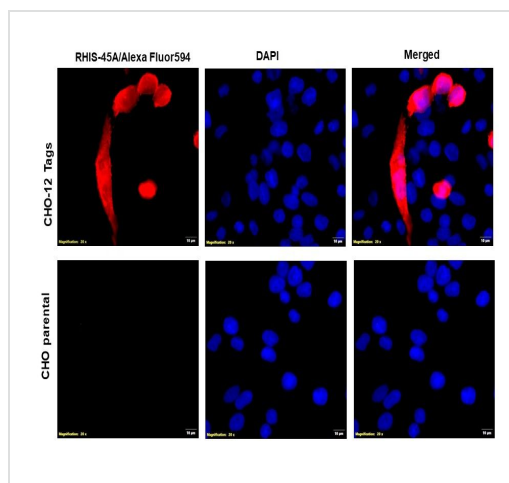
**Lane 4 :** The cell lysates of CHO at 2 µg

### Secondary

**All lanes :** Goat anti-rabbit, HRP conjugated at 0.2 µg/ml

Lane 1 and 4: Molecular weight Standards.

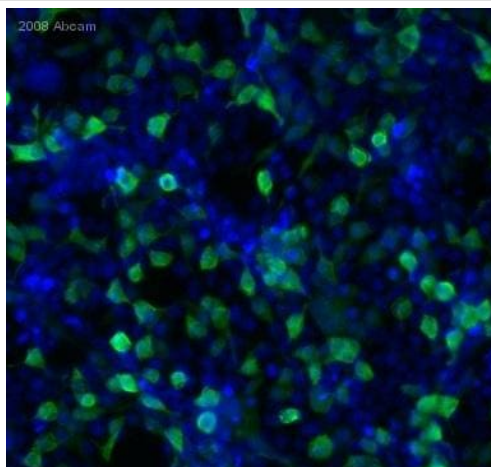
Primary and secondary antibody incubation at RT for 1 hour.



Immunocytochemistry/ Immunofluorescence - Anti-6X His tag® antibody (ab9108)

Immunofluorescent analysis of 4% paraformaldehyde (PFA) -fixed, permeabilized with 0.1% Triton X-100 in CHO cells transfected with 12 tags constructs (CHO-12 tags) labelling 6xHIS with ab9108 at 1/1000 dilution (1 µg/mL), followed by Donkey Anti-rabbit IgG (H&L), Alexa Fluor® 594 antibody at 1/500 dilution (4 µg/mL) (Red).

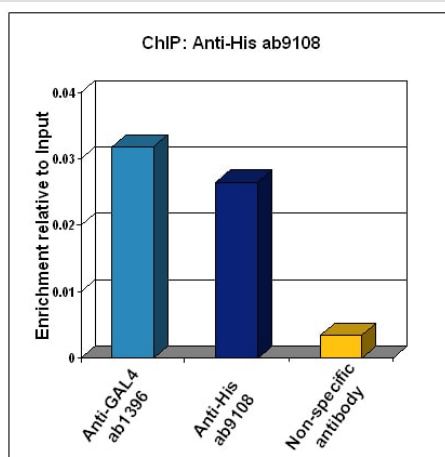
Nucleus was counterstained with DAPI (Blue). Bottom panel images showed Parallel staining in parental CHO cell line.



Immunocytochemistry/ Immunofluorescence - Anti-6X His tag® antibody (ab9108)

This image is courtesy of Vladimir Milenkovic

ab9108 staining CACNB3 with His tag expressed in HEK293 cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.5% Triton X-100 and blocked with 5% serum for 20 minutes at 25°C. Samples were incubated with primary antibody (1/500 in 1% goat serum, 0.1% TX100 and PBS) for 16 hours at 4°C. An Alexa Fluor® 488-conjugated Goat anti-rabbit IgG polyclonal was used as the secondary antibody (1/750).



ChIP - Anti-6X His tag® antibody (ab9108)

A stably transfected 293T human cell line harbouring the GAL4 upstream activation sequence was transiently transfected with a Myc or His - tagged GAL4 DNA Binding Domain construct. 48 hours post transfection Chromatin was prepared according to the Abcam X-ChIP protocol. The ChIP was performed with 25 µg chromatin, 5 µg of antibody and 20 µl of Protein A/G beads. A non-specific antibody was used as the negative control. The immunoprecipitated DNA was quantified by real time PCR (SYBR Green approach).



Western blot - Anti-6X His tag® antibody (ab9108)

This image is courtesy of an anonymous Abreview

**All lanes :** Anti-6X His tag® antibody (ab9108) at 1/4000 dilution

**Lane 1 :** HeLa whole cell lysate - transfected with empty vector

**Lane 2 :** HeLa whole cell lysate - transfected with His-tagged gene

Lysates/proteins at 10 µg per lane.

## Secondary

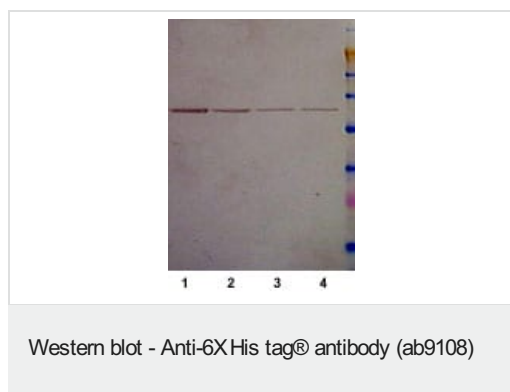
**All lanes :** HRP-conjugated goat anti-rabbit IgG polyclonal at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Observed band size:** 35 kDa

**Exposure time:** 30 seconds



Use of ab9108 in western blotting at 1:1000 against Epitope Tag

Positive Control lysate (**ab4524**).

Lane 1: 2 µl lysate

Lane 2: 1 µl lysate

Lane 3: 0.5 µl lysate

Lane 4: 0.25 µl lysate Use of ab9108 in western blotting at 1:1000

against E.coli Positive Control (Escherichia coli ) Whole Cell Lysate

- expressing 11 different epitope tag (**ab5395**). Lane 1: 2 µl lysate

Lane 2: 1 µl lysate Lane 3: 0.5 µl lysate Lane 4: 0.25 µl lysate

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