

HRP Anti-Lysozyme antibody [EPR2994(2)] ab197705

敲除验证 重组 RabMAb

4 图像

|       |  |
|-------|--|
| 概述    |  |
| 产品名称  | HRP Anti-Lysozyme抗体[EPR2994(2)]  |
| 描述    | HRP兔单克隆抗体[EPR2994(2)] to Lysozyme  |
| 宿主    | Rabbit   |
| 偶联物   | HRP  |
| 经测试应用 | 适用于: WB, IHC-P   |
| 种属反应性 | 与反应: Human<br>预测可用于: Mouse 不与反应: Rat   |
| 免疫原   | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.  |
| 阳性对照  | WB: THP-1, HepG2, HL-60 whole cell lysate and human spleen tissue lysate. IHC-P: normal human tonsil tissue sections.  |
| 常规说明  | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</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. Avoid freeze / thaw cycle. Store In the Dark.   |
| 存储溶液  | pH: 7.40<br>Preservative: 0.1% Proclin 300 Solution<br>Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS   |
| 纯度    | Protein A purified   |
| 克隆    | 单克隆  |

克隆编号EPR2994(2)

同种型IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab197705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    |      | 1/1000. Detects a band of approximately 16 kDa (predicted molecular weight: 17 kDa).         |
| IHC-P |      | 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. |

靶标

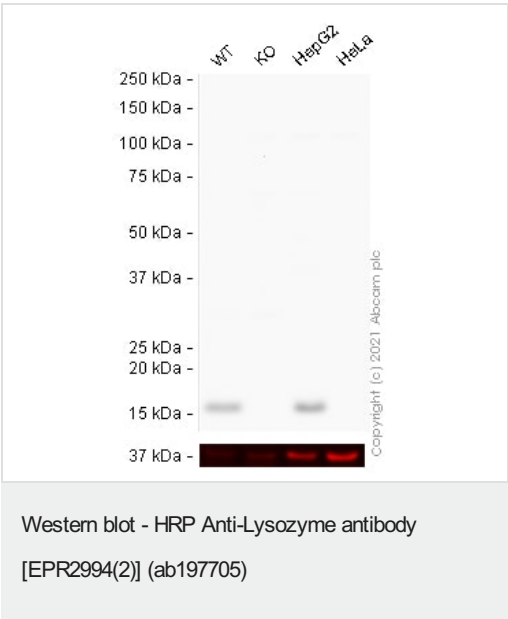
功能Lysozymes have primarily a bacteriolytic function; those in tissues and body fluids are associated with the monocyte-macrophage system and enhance the activity of immunoagents.

疾病相关Amyloidosis 8

序列相似性Belongs to the glycosyl hydrolase 22 family.

细胞定位Secreted.

图片



**All lanes** : HRP Anti-Lysozyme antibody [EPR2994(2)] (ab197705) at 1/1000 dilution

- Lane 1** : Wild-type THP-1 cell lysate
- Lane 2** : LYZ knockout THP-1 cell lysate
- Lane 3** : HepG2 cell lysate
- Lane 4** : HeLa cell lysate

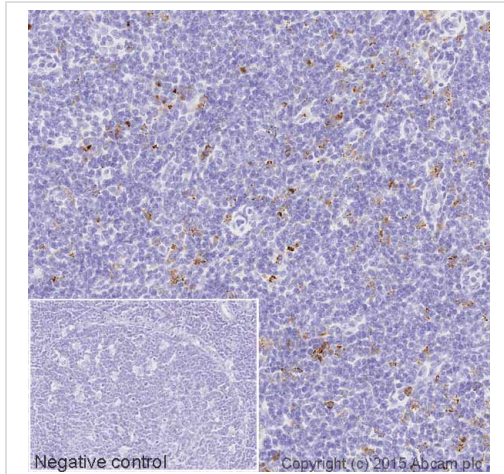
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 17 kDa  
**Observed band size:** 16 kDa

**Exposure time:** 2 minutes

ab197705 was shown to react with Lysozyme in wild-type THP-1 cells in western blot. Loss of signal was observed when LYZ knockout sample was used. Membranes were blocked in 3 % milk in TBS-T (0.1 % Tween®) before incubation with ab197705 overnight at 4 °C at a 1 in 1000 dilution. Blots were developed with Optiblot ECL reagent ([ab133456](#)) and imaged.



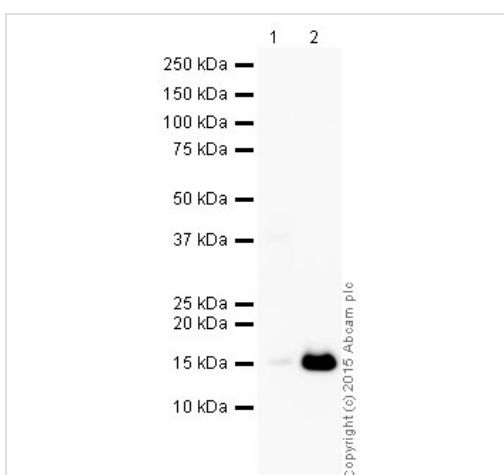
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-Lysozyme antibody [EPR2994(2)] (ab197705)

IHC image of lysozyme staining in a section of formalin-fixed paraffin-embedded normal human tonsil\*, performed on a Leica BOND. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab197705, 1/100 dilution, for 15 mins at room temperature.

DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

\*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



Western blot - HRP Anti-Lysozyme antibody [EPR2994(2)] (ab197705)

**All lanes :** HRP Anti-Lysozyme antibody [EPR2994(2)] (ab197705) at 1/1000 dilution

**Lane 1 :** HL60 (Human promyelocytic leukemia cell line) Whole Cell Lysate

**Lane 2 :** Spleen (Human) Tissue Lysate - adult normal tissue

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 17 kDa

**Observed band size:** 16 kDa

**Exposure time:** 20 minutes

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab197705 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.

Why choose a recombinant antibody?

|  |  |
|--|--|
|  <p><b>Research with confidence</b><br/>Consistent and reproducible results</p> |  <p><b>Long-term and scalable supply</b><br/>Recombinant technology</p> |
|  <p><b>Success from the first experiment</b><br/>Confirmed specificity</p>      |  <p><b>Ethical standards compliant</b><br/>Animal-free production</p>   |

HRP Anti-Lysozyme antibody [EPR2994(2)]  
(ab197705)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors