


### HRP Anti-Fatty Acid Synthase antibody [EPR7466] ab196854

敲除验证
重组
RabMAb

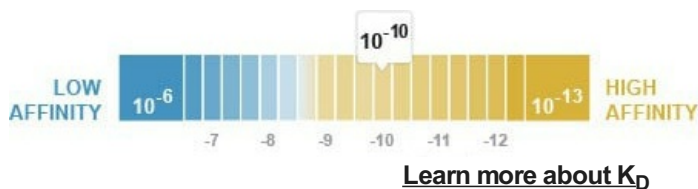
[3 References](#)
[3 图像](#)

#### 概述

产品名称	HRP Anti-Fatty Acid Synthase抗体[EPR7466]
描述	HRP兔单克隆抗体[EPR7466] to Fatty Acid Synthase
宿主	Rabbit
偶联物	HRP
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa, HEK293 and A549 whole cell lysates.
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.
解离常数 (K <sub>D</sub> )	K <sub>D</sub> = 1.34 x 10 <sup>-10</sup> M



存储溶液	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR7466
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab196854于以下的经测试应用

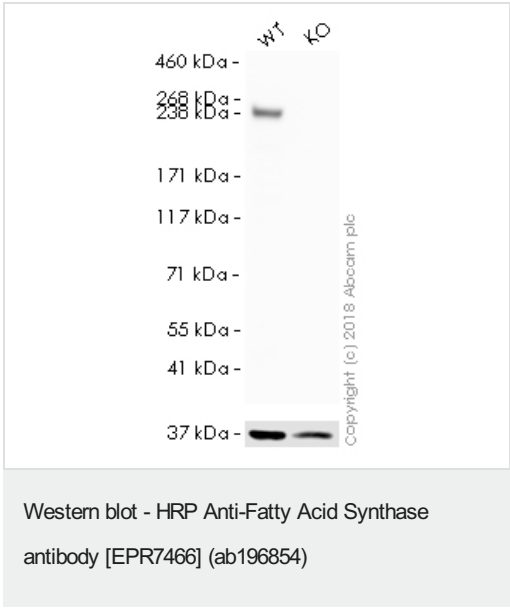
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/5000. Detects a band of approximately 273 kDa (predicted molecular weight: 273 kDa).

靶标

功能	Fatty acid synthetase catalyzes the formation of long-chain fatty acids from acetyl-CoA, malonyl-CoA and NADPH. This multifunctional protein has 7 catalytic activities and an acyl carrier protein.
组织特异性	Ubiquitous. Prominent expression in brain, lung, and liver.
序列相似性	Contains 1 acyl carrier domain.
细胞定位	Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

图片



**All lanes :** HRP Anti-Fatty Acid Synthase antibody [EPR7466] (ab196854) at 1/5000 dilution

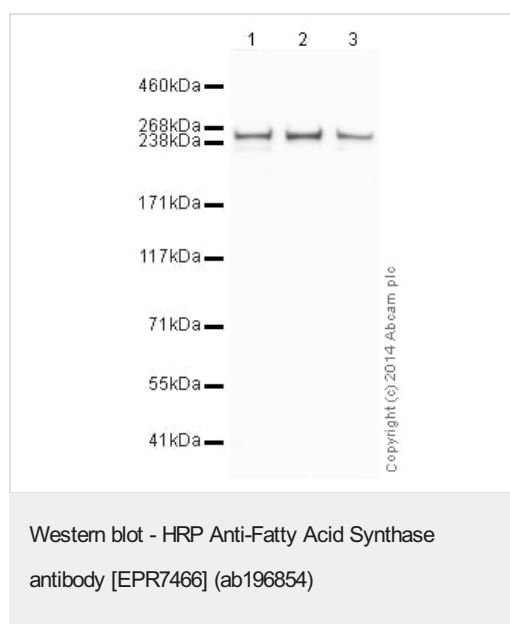
**Lane 1 :** Wild-type HAP1 whole cell lysate  
**Lane 2 :** FASN (Fatty Acid Synthase) knockout HAP1 whole cell lysate

Lysates/proteins at 20 µg per lane.

**Predicted band size:** 273 kDa  
**Observed band size:** 260 kDa

**Exposure time:** 1 minute

ab196854 was shown to specifically react with Fatty Acid Synthase in wild-type HAP1 cells as signal was lost in FASN (Fatty Acid Synthase) knockout cells. Wild-type and FASN (Fatty Acid Synthase) knockout samples were subjected to SDS-PAGE. Ab196854 and **ab184095** (Mouse monoclonal [mAbcam 9484] to GAPDH - Loading Control (Alexa Fluor® 680) loading control) were incubated overnight at 4°C at 1/5000 dilution and 1/1000 dilution respectively. The loading control was imaged using the Licor Odyssey CLx prior to blots being developed with ECL technique.



**All lanes :** HRP Anti-Fatty Acid Synthase antibody [EPR7466] (ab196854) at 1/5000 dilution

**Lane 1 :** HeLa whole cell lysate (**ab150035**)

**Lane 2 :** HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

**Lane 3 :** A549 (Human lung adenocarcinoma epithelial cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 273 kDa

**Observed band size:** 273 kDa

**Exposure time:** 8 minutes

This blot was produced using a 3-8% Tris Acetate gel under the TA buffer system. The gel was run at 150V for 60 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab196854 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

HRP Anti-Fatty Acid Synthase antibody [EPR7466]  
(ab196854)

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

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