

Anti-FTO antibody [EPR6895] ab124892

敲除验证 重组 RabMAb

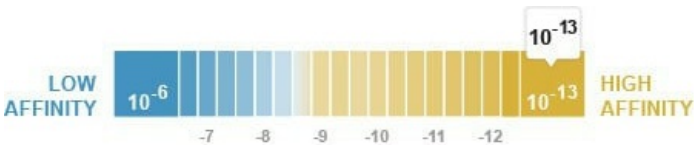
★★★★☆ 2 Abreviews 42 References 10 图像

概述

产品名称	Anti-FTO抗体[EPR6895]
描述	兔单克隆抗体[EPR6895] to FTO
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt, ICC/IF or IP
种属反应性	与反应: Human 不与反应: Mouse, Rat
免疫原	Synthetic peptide within Human FTO aa 450-550. The exact sequence is proprietary.
阳性对照	IHC-P: Human Breast, lung carcinoma and kidney tissues; WB: 293T, SH-SY5Y, Caco2, HEK-293 and BxPC3 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

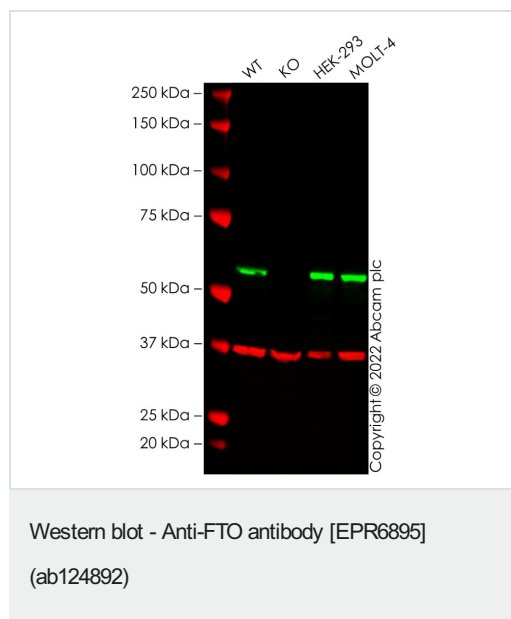
形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解离常数 (K <sub>D</sub> )	K <sub>D</sub> = 9.30 x 10 <sup>-13</sup> M



[Learn more about K<sub>D</sub>](#)

存储溶液	pH: 7.2
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纯度	Protein A purified
克隆	单克隆
克隆编号	EPR6895
同种型	IgG



**All lanes :** Anti-FTO antibody [EPR6895] (ab124892) at 1/1000 dilution

**Lane 1 :** Wild-type MCF7 cell lysate

**Lane 2 :** FTO knockout MCF7 cell lysate

**Lane 3 :** HEK-293 cell lysate

**Lane 4 :** MOLT-4 cell lysate

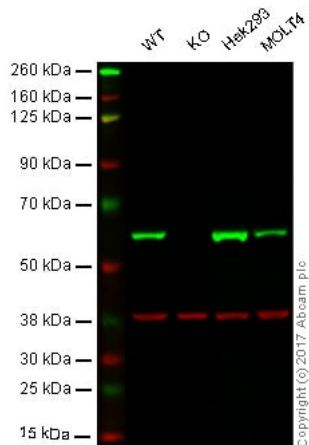
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 58 kDa

**Observed band size:** 58 kDa

False colour image of Western blot: Anti-FTO antibody [EPR6895] staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab124892 was shown to bind specifically to FTO. A band was observed at 58 kDa in wild-type MCF7 cell lysates with no signal observed at this size in FTO knockout cell line. To generate this image, wild-type and FTO knockout MCF7 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution.



Western blot - Anti-FTO antibody [EPR6895]  
(ab124892)

**Lane 1:** Wild-type HAP1 whole cell lysate (20 µg)

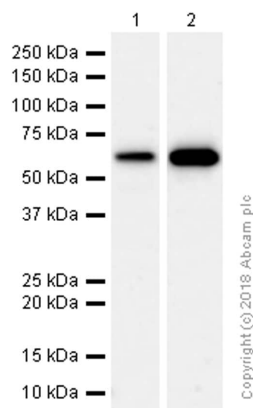
**Lane 2:** FTO knockout HAP1 whole cell lysate (20 µg)

**Lane 3:** HEK293 whole cell lysate (20 µg)

**Lane 4:** MOLT4 whole cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab124892 observed at 58 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab124892 was shown to specifically react with FTO in wild-type HAP1 cells. No band was observed when FTO knockout samples were examined. Wild-type and FTO knockout samples were subjected to SDS-PAGE. ab124892 and **ab8245** (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at a 1/1000 dilution and 1/10,000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-FTO antibody [EPR6895]  
(ab124892)

**All lanes :** Anti-FTO antibody [EPR6895] (ab124892) at 1/1000 dilution (Purified)

**Lane 1 :** Caco-2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

**Lane 2 :** HEK-293 (Human embryonic kidney epithelial cell) whole cell lysates

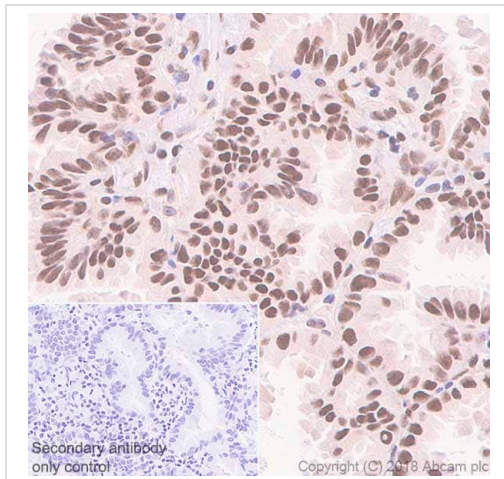
Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

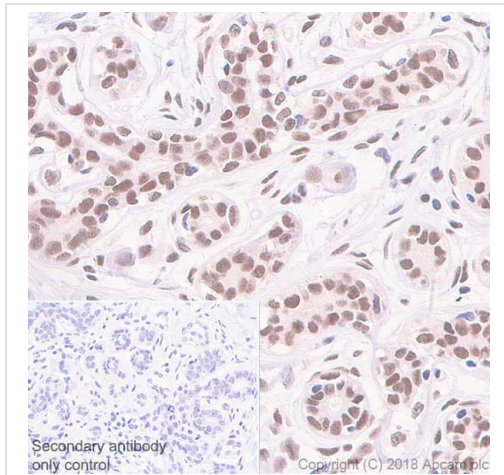
**Predicted band size:** 58 kDa

**Observed band size:** 58 kDa



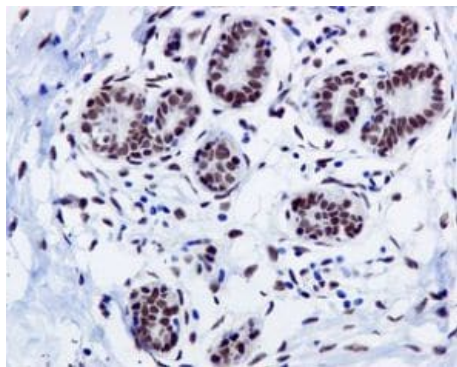
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FTO antibody [EPR6895] (ab124892)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human lung carcinoma tissue sections labeling FTO with purified ab124892 at 1:100 dilution (1.66 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



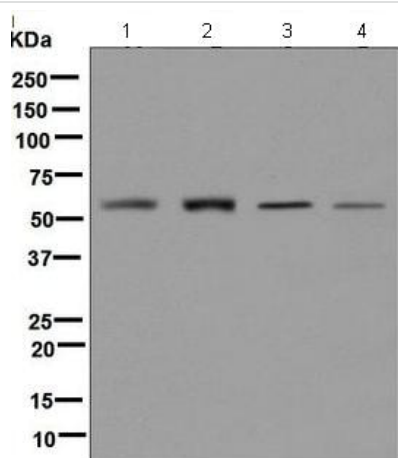
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FTO antibody [EPR6895] (ab124892)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human breast tissue sections labeling FTO with purified ab124892 at 1:100 dilution (1.66 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FTO antibody [EPR6895] (ab124892)

ab124892, at 1/100 dilution, staining FTO in Paraffin-embedded Human Breast tissue by Immunohistochemistry. Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Western blot - Anti-FTO antibody [EPR6895] (ab124892)

**All lanes :** Anti-FTO antibody [EPR6895] (ab124892) at 1/1000 dilution

**Lane 1 :** 293T lysate

**Lane 2 :** SH-SY5Y lysate

**Lane 3 :** Caco2 lysate

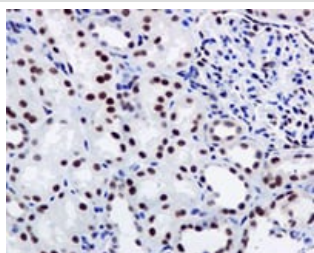
**Lane 4 :** BxPC3 lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

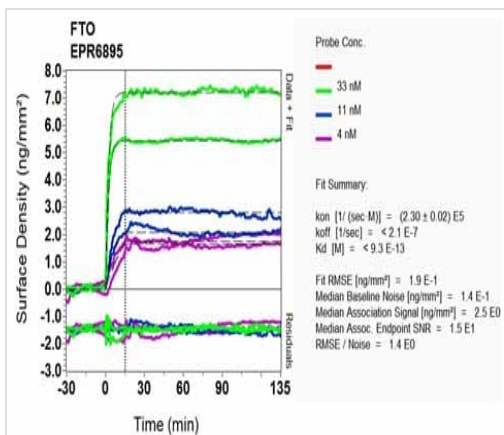
**All lanes :** Goat anti-Rabbit HRP at 1/2000 dilution

**Predicted band size:** 58 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FTO antibody [EPR6895] (ab124892)

ab124892, at 1/100 dilution, staining FTO in Paraffin-embedded Human kidney tissue by Immunohistochemistry. Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



SPR Scanning - Anti-FTO antibody [EPR6895]  
(ab124892)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

### 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

Anti-FTO antibody [EPR6895] (ab124892)

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

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