

### Anti-WSTF antibody [EPR1703] ab109439

敲除验证
重组
RabMAb

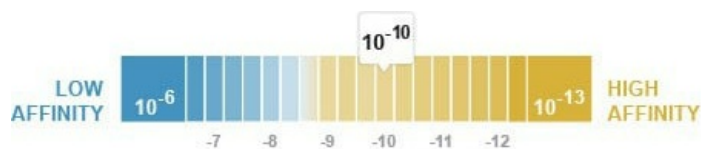
#### 5 图像

#### 概述

<b>产品名称</b>	Anti-WSTF抗体[EPR1703]
<b>描述</b>	兔单克隆抗体[EPR1703] to WSTF
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> WB <b>不适用于:</b> ICC/IF, IHC-P or IP
<b>种属反应性</b>	<b>与反应:</b> Mouse, Rat, Human
<b>免疫原</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>阳性对照</b>	WB: HAP1, 293T, HeLa, HT-1080, PC-12, and SH-SY5Y cell lysates.
<b>常规说明</b>	<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

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>解离常数 (K<sub>D</sub>)</b>	K <sub>D</sub> = 1.23 x 10 <sup>-10</sup> M



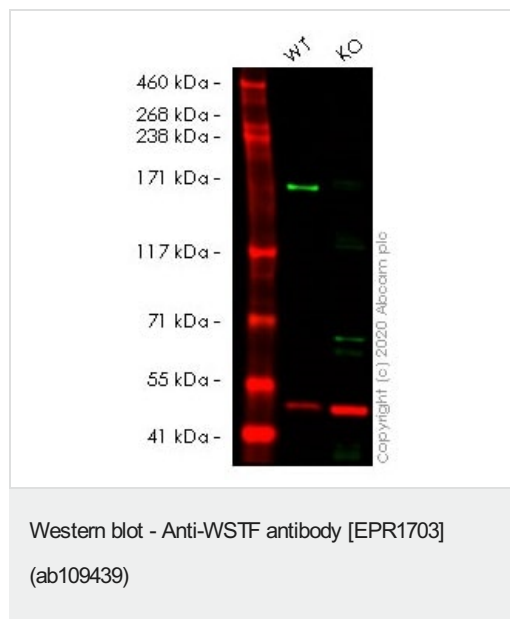
[Learn more about K<sub>D</sub>](#)

<b>存储溶液</b>	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue</p>
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<b>发展阶段</b>	Expressed at equal levels in 19-23 weeks old fetal tissues.
<b>结构域</b>	The N-terminal part (1-345), including the WAC domain and the C motif, mediates the tyrosine-protein kinase activity. The bromo domain mediates the specific interaction with acetylated histones.
<b>翻译后修饰</b>	Phosphorylated upon DNA damage, probably by ATM or ATR.
<b>细胞定位</b>	Nucleus. Accumulates in pericentromeric heterochromatin during replication. Targeted to replication foci throughout S phase via its association with PCNA.

## 图片



**All lanes :** Anti-WSTF antibody [EPR1703] (ab109439) at 1/1000 dilution

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

**Lane 2 :** WSTF knockout HeLa cell lysate

Lysates/proteins at 20 µg per lane.

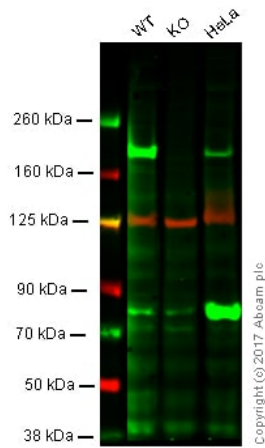
Performed under reducing conditions.

**Predicted band size:** 171 kDa

**Observed band size:** 171 kDa

**Lanes 1- 2:** Merged signal (red and green). Green - ab109439 observed at 171 kDa. Red - Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) observed at 50 kDa.

ab109439 was shown to react with WSTF in wild-type HeLa cells in western blot. Loss of signal was observed when knockout cell line **ab264907** (knockout cell lysate **ab257370**) was used. Wild-type HeLa and WSTF knockout HeLa cell lysates were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. ab109439 and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) overnight at 4°C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye®800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye®680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-WSTF antibody [EPR1703] (ab109439)

**All lanes :** Anti-WSTF antibody [EPR1703] (ab109439) at 1/1000 dilution

**Lane 1 :** Wild type HAP1 whole cell lysate

**Lane 2 :** BAZ1B knockout HAP1 whole cell lysate

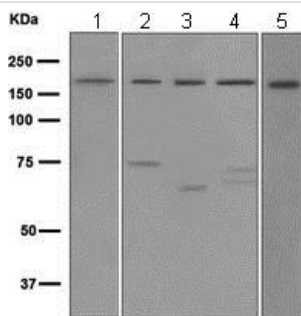
**Lane 3 :** HeLa whole cell lysate

Lysates/proteins at 20 µg per lane.

**Predicted band size:** 171 kDa

**Lanes 1 - 3:** Merged signal (red and green). Green - ab109439 observed at 171 kDa. Red - loading control, **ab18058**, observed at 130 kDa.

Ab109439 was shown to recognize BAZ1B in wild-type cells along with additional cross-reactive bands as signal was lost in BAZ1B knockout samples. Wild-type and BAZ1B knockout samples were subjected to SDS-PAGE. Ab109439 and **ab18058** (Mouse anti Vinculin loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/10000 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 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-WSTF antibody [EPR1703] (ab109439)

**All lanes :** Anti-WSTF antibody [EPR1703] (ab109439) at 1/1000 dilution

**Lane 1 :** 293T cell lysates

**Lane 2 :** HeLa cell lysates

**Lane 3 :** HT-1080 cell lysates

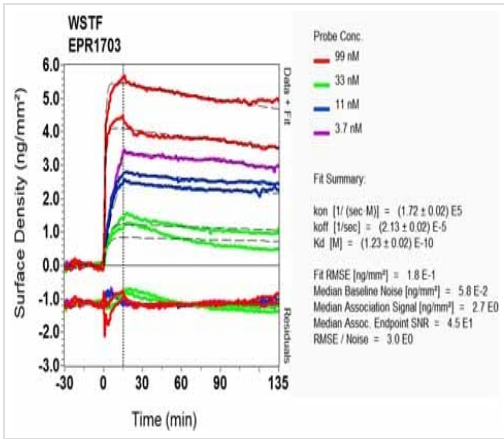
**Lane 4 :** PC-12 cell lysates

**Lane 5 :** SH-SY5Y cell lysates

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 171 kDa

**Observed band size:** 185 kDa



OI-RD Scanning - Anti-WSTF antibody [EPR1703]  
(ab109439)

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-WSTF antibody [EPR1703] (ab109439)

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

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