

Anti-MST4 antibody [EP1864Y] ab52491

重组 RabMAb

14 References 7 图像

概述

产品名称	Anti-MST4抗体[EP1864Y]
描述	兔单克隆抗体[EP1864Y] to MST4
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), ICC/IF, WB, IP, IHC-P
种属反应性	与反应: Mouse, Rat, Human, Recombinant fragment
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa cell lysate; Rat and mouse brain tissue lysate. IHC-P: Human placenta tissue. ICC/IF: HeLa cells. IP: HeLa cells. Flow Cyt (intra): HeLa cells.
常规说明	<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> <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 -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EP1864Y

同种型

lgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab52491于以下的经测试应用

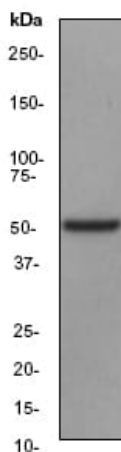
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/1000 - 1/10000. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/500.
WB		1/100000 - 1/200000. Detects a band of approximately 50 kDa (predicted molecular weight: 47 kDa).
IP		1/1000.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能	Mediator of cell growth. Modulates apoptosis.
序列相似性	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 protein kinase domain.
细胞定位	Cytoplasm. Golgi apparatus membrane. Localizes to the Golgi apparatus.

图片



Western blot - Anti-MST4 antibody [EP1864Y]  
(ab52491)

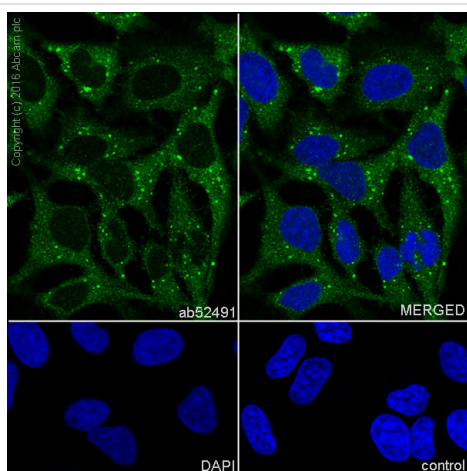
Anti-MST4 antibody [EP1864Y] (ab52491) at 1/200000 dilution +  
HeLa cell lysate at 10 µg

### Secondary

Goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 47 kDa

**Observed band size:** 50 kDa



Immunocytochemistry/ Immunofluorescence - Anti-  
MST4 antibody [EP1864Y] (ab52491)

Immunocytochemistry/Immunofluorescence analysis of HeLa  
(Human epithelial cell line from cervix adenocarcinoma) labelling  
MST4 with purified ab52491 at 1/500. Cells were fixed with 100%  
methanol and permeabilized with 0.1% triton X-100. **ab150077**  
Goat anti rabbit IgG (Alexa Fluor® 488) at 1/1000 was used as the  
secondary antibody. Nuclei were counterstained with DAPI. PBS  
was used instead of the primary antibody as the negative control.



Immunoprecipitation - Anti-MST4 antibody  
[EP1864Y] (ab52491)

MST4 was immunoprecipitated using ab52491 at 1:100 dilution  
(2µg in 0.35mg lysates).

**All lanes :** Anti-MST4 antibody [EP1864Y] (ab52491) at 1/1000  
dilution

**Lane 1 :** HeLa (Human cervix adenocarcinoma epithelial cell)  
whole cell lysate with 5% NFDm/TBST

**Lane 2 :** HeLa whole cell lysate immunoprecipitated with ab52491  
1:100 dilution (2µg in 0.35mg lysates) with 5% NFDm/TBST

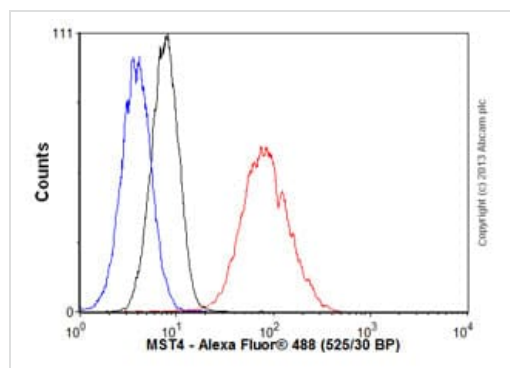
**Lane 3 :** HeLa whole cell lysate immunoprecipitated with Rabbit  
monoclonal IgG (**ab172730**) 1:100 dilution (2µg in 0.35mg lysates),  
with 5% NFDm/TBST

Lysates/proteins at 10 µg per lane.

## Secondary

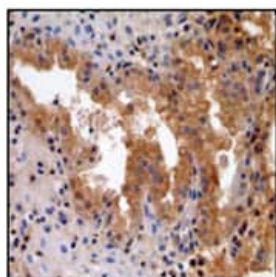
**All lanes :** VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/5000 dilution (VeriBlot for IP secondary antibody (HRP))

**Exposure time:** 10 seconds



Flow Cytometry (Intracellular) - Anti-MST4 antibody  
[EP1864Y] (ab52491)

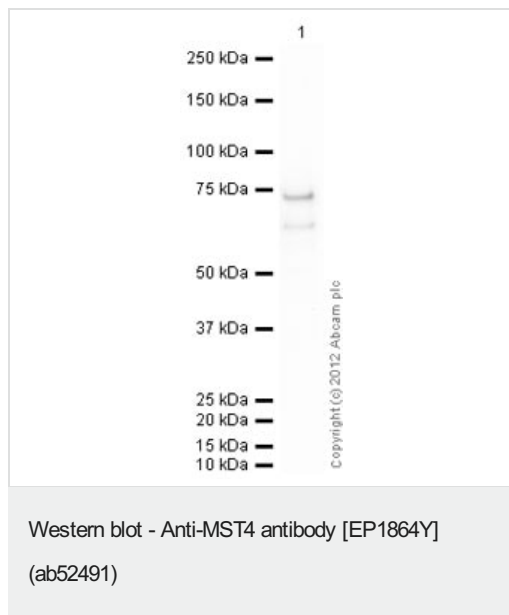
Overlay histogram showing HeLa cells stained with ab52491 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab52491, 1/10000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor<sup>®</sup> 488 goat anti-rabbit IgG (H&L) (**ab150077**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1 µg/1x10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-MST4 antibody  
[EP1864Y] (ab52491)

Immunohistochemical analysis of paraffin-embedded human placenta using ab52491 at a 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Anti-MST4 antibody [EP1864Y] (ab52491) at 1/20000 dilution +  
Recombinant human MST4 protein ([ab60341](#)) at 0.01 µg

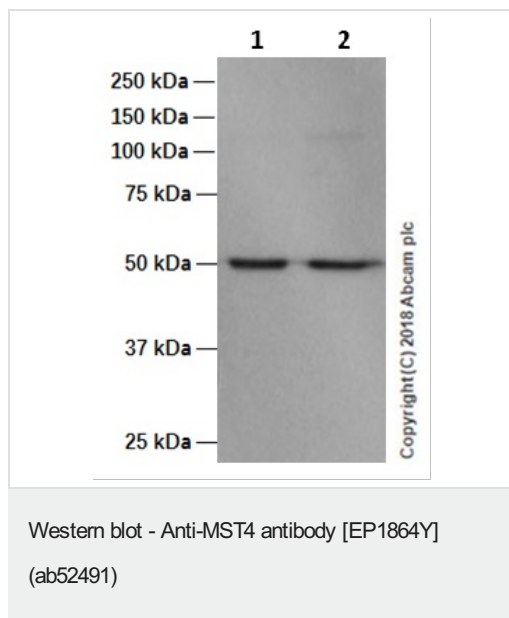
#### Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at  
1/5000 dilution

**Predicted band size:** 47 kDa

**Exposure time:** 20 seconds

Ab52491 recognizes the full length tagged recombinant MST4  
protein ([ab60341](#)) which has an expected molecular weight of 72  
kDa.



**All lanes :** Anti-MST4 antibody [EP1864Y] (ab52491) at 1/100000  
dilution

**Lane 1 :** Mouse brain tissue lysate with 5% NFDM/TBST

**Lane 2 :** Rat brain tissue lysate with 5% NFDM/TBST

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000  
dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

**Predicted band size:** 47 kDa

**Observed band size:** 50 kDa

**Exposure time:** 30 seconds

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

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