

Anti-Thymidine Kinase 1/TK1 antibody [EPR3194] ab91651

敲除验证
重组
RabMAb

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概述

产品名称	Anti-Thymidine Kinase 1/TK1抗体[EPR3194]
描述	兔单克隆抗体[EPR3194] to Thymidine Kinase 1/TK1
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF, Flow Cyt (Intra) 不适用于: IHC-P or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human Thymidine Kinase 1/TK1 aa 200-300. The exact sequence is proprietary.
阳性对照	WB: Wild-type HAP1 whole cell lysate. Jurkat and MOLT-4 whole cell lysate. ICC/IF: HeLa cells. Flow Cyt (intra): HeLa cells
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified

克隆 单克隆
 克隆编号 EPR3194
 同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab91651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。

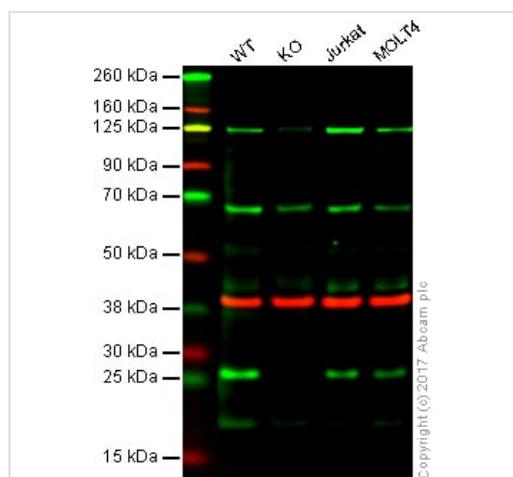
应用	Ab评论	说明
WB		1/500 - 1/1000. Predicted molecular weight: 25 kDa.
ICC/IF		1/100 - 1/250.
Flow Cyt (Intra)		1/1000. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

应用说明 Is unsuitable for IHC-P or IP.

靶标

序列相似性 Belongs to the thymidine kinase family.
 翻译后修饰 Phosphorylated on Ser-13 in mitosis.
 细胞定位 Cytoplasm.

图片



Western blot - Anti-Thymidine Kinase 1/TK1 antibody [EPR3194] (ab91651)

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

Lane 2: TK1 knockout HAP1 whole cell lysate (20 µg)

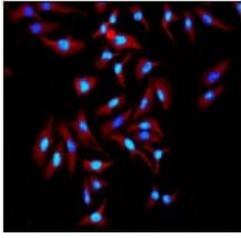
Lane 3: Jurkat whole cell lysate (20 µg)

Lane 4: MOLT4 whole cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab91651 observed at 25 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

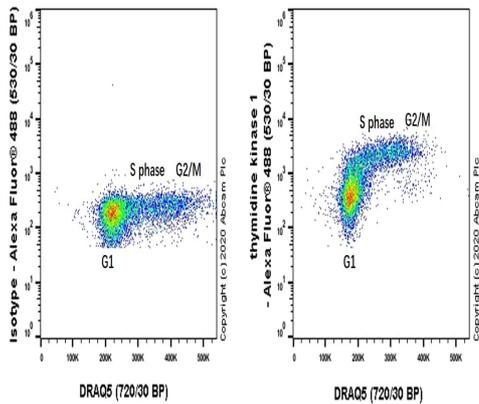
ab91651 was shown to specifically recognize TK1 in wild-type HAP1 cells along with additional cross-reactive bands. No bands were observed when TK1 knockout samples were examined. Wild-type and TK1 knockout samples were subjected to SDS-PAGE. ab91651 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1/500 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 1/20,000 dilution for 1 hour at room temperature before imaging.



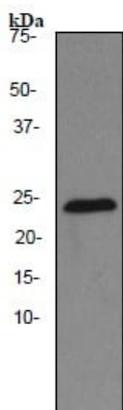
Immunocytochemistry/ Immunofluorescence - Anti-Thymidine Kinase 1/TK1 antibody [EPR3194] (ab91651)

ab91651 at 1/100 dilution staining Thymidine kinase 1/TK1 in HeLa (Human epithelial cell line from cervix adenocarcinoma) cells.



Flow Cytometry (Intracellular) - Anti-Thymidine Kinase 1/TK1 antibody [EPR3194] (ab91651)

Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Thymidine Kinase 1/TK1 with purified ab91651 at 1/1000 dilution (1 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Left).



Western blot - Anti-Thymidine Kinase 1/TK1 antibody [EPR3194] (ab91651)

Anti-Thymidine Kinase 1/TK1 antibody [EPR3194] (ab91651) at 1/500 dilution + MOLT-4 (Human lymphoblastic leukemia cell line) cell lysate at 10 µg

Secondary

HRP labeled goat anti-rabbit at 1/2000 dilution

Predicted band size: 25 kDa

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

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(ab91651)

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