


Anti-CSK antibody [EPR6771] ab125005

敲除验证 重组 RabMAb

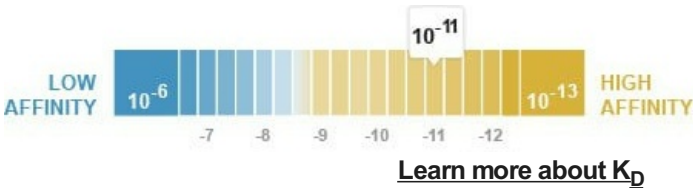
2 References 5 图像

概述

产品名称	Anti-CSK抗体[EPR6771]
描述	兔单克隆抗体[EPR6771] to CSK
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: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide within Human CSK aa 50-150. The exact sequence is proprietary.
阳性对照	Jurkat, Ramos and RAW 264.7 cell lysates; Human tonsil tissue.
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> = 5.10 x 10 <sup>-11</sup> M



存储溶液	pH: 7.20
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**纯度**

## 克隆

克隆编号

**同种型**

## 应用

**The Abpromise guarantee**      **Abpromise™承诺保证使用ab125005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		1/1000 - 1/10000. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Heat up to 98 degrees C, below boiling, and then let cool for 10-20 min.

**应用说明** Is unsuitable for Flow Cyt, ICC/IF or IP.

靶标

<b>功能</b>	Specifically phosphorylates 'Tyr-504' on LCK, which acts as a negative regulatory site. Can also act on the LYN and FYN kinases.
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组织特异性	Expressed in lung and macrophages.
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**序列相似性** Belongs to the protein kinase superfamily. Tyr protein kinase family. CSK subfamily.

Contains 1 protein kinase domain.

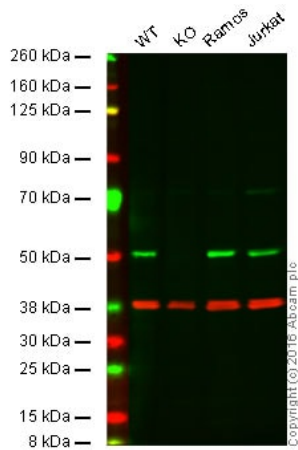
Contains 1 SH2 domain.

Contains 1 SH3 domain.

**翻译后修饰** Autophosphorylation of Tyr-304 occurs only at abnormally high CSK concentrations in vitro.

**细胞定位** Cytoplasm. Cell membrane. Mainly cytoplasmic, also present in lipid rafts.

图片



Western blot - Anti-CSK antibody [EPR6771]  
(ab125005)

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

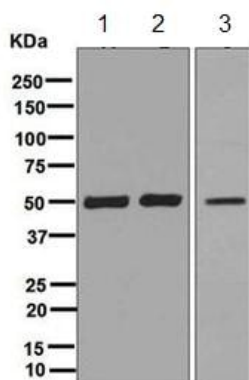
**Lane 2:** CSK knockout HAP1 cell lysate (20 µg)

**Lane 3:** Ramos cell lysate (20 µg)

**Lane 4:** Jurkat cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab125005 observed at 50 kDa. Red - loading control, [ab8245](#), observed at 37 kDa.

ab125005 was shown to specifically react with CSK when CSK knockout samples were used. Wild-type and CSK knockout samples were subjected to SDS-PAGE. ab125005 and [ab8245](#) (loading control to GAPDH) were diluted 1/1000 and 1/10000 respectively and incubated overnight at 4°C. 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 1/10000 dilution for 1 h at room temperature before imaging.



Western blot - Anti-CSK antibody [EPR6771]  
(ab125005)

**All lanes :** Anti-CSK antibody [EPR6771] (ab125005) at 1/1000 dilution

**Lane 1 :** Jurkat cell lysate

**Lane 2 :** Ramos cell lysate

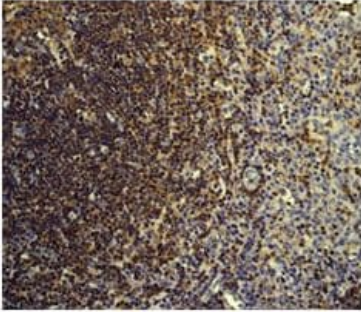
**Lane 3 :** RAW 264.7 cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

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

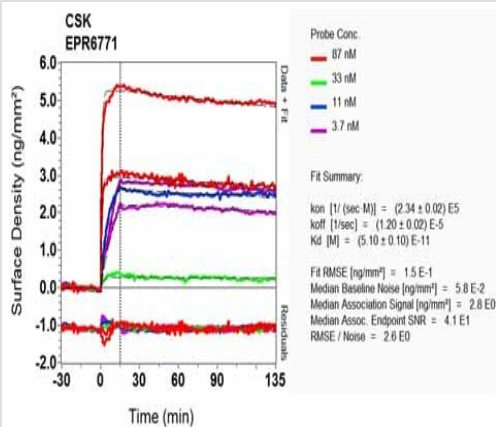
**Predicted band size:** 50 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSK antibody [EPR6771] (ab125005)

ab125005 at 1/50 dilution staining CSK in paraffin-embedded Human tonsil tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



OR-D Scanning - Anti-CSK antibody [EPR6771] (ab125005)

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-CSK antibody [EPR6771] (ab125005)

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

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