

HRP Anti-ERK2 antibody [E460] ab205819

敲除验证 重组 RabMAb

1 References 2 图像

概述

产品名称	HRP Anti-ERK2抗体[E460]
描述	HRP兔单克隆抗体[E460] to ERK2
宿主	Rabbit
偶联物	HRP
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa, 46C, PC12 whole cell lysates and Human ERK2 recombinant protein lysate.
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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store in the Dark.
存储溶液	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	E460
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab205819于以下的经测试应用

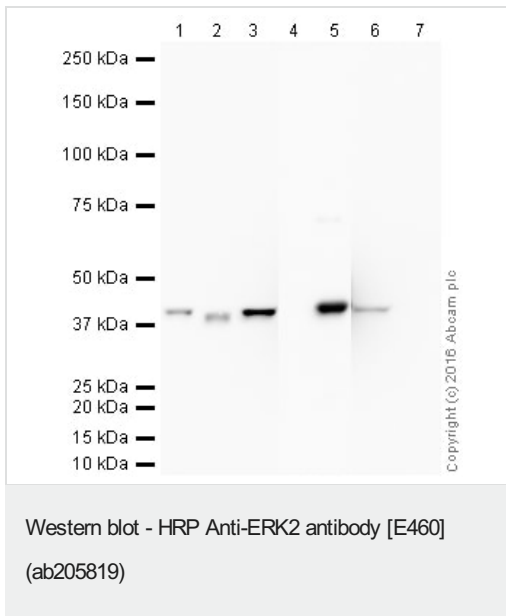
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/5000. Detects a band of approximately 41 kDa (predicted molecular weight: 41 kDa).

靶标

功能	<p>Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock factor protein 4 (HSF4) and ARHGEF2.</p> <p>Acts as a transcriptional repressor. Binds to a [GC]AAA[GC] consensus sequence. Repress the expression of interferon gamma-induced genes. Seems to bind to the promoter of CCL5, DMP1, IFIH1, IFITM1, IRF7, IRF9, LAMP3, OAS1, OAS2, OAS3 and STAT1. Transcriptional activity is independent of kinase activity.</p>
序列相似性	<p>Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.</p> <p>Contains 1 protein kinase domain.</p>
结构域	<p>The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.</p>
翻译后修饰	<p>Dually phosphorylated on Thr-185 and Tyr-187, which activates the enzyme. Dephosphorylated by PTPRJ at Tyr-187.</p>
细胞定位	<p>Nucleus.</p>

图片



All lanes : HRP Anti-ERK2 antibody [E460] (ab205819) at 1/5000 dilution

Lane 1 : HeLa whole cell lysate ([ab150035](#)) at 10 µg

Lane 2 : 46C (Mouse neural progenitor, selected for Sox1 expression cell line) Whole Cell Lysate at 10 µg

Lane 3 : PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate at 10 µg

Lane 4 : Recombinant Human ERK1 protein ([ab43623](#)) ([ab43623](#)) at 0.1 µg

Lane 5 : Recombinant Human ERK2 protein ([ab43625](#)) at 0.1 µg

Lane 6 : Wild-type HAP1 cell lysate at 20 µg

Lane 7 : ERK2 knockout HAP1 cell lysate at 20 µg

Developed using the ECL technique.

Performed under reducing conditions.





Predicted band size: 41 kDa

Observed band size: 41 kDa

Exposure time: 12 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab205819 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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

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