

Anti-ERK1 antibody [12D11] ab119357

3 图像

概述

| | |
|-------|---|
| 产品名称 | Anti-ERK1抗体[12D11] |
| 描述 | 小鼠单克隆抗体[12D11] to ERK1 |
| 宿主 | Mouse |
| 经测试应用 | 适用于: WB, ICC/IF, IHC-P |
| 种属反应性 | 与反应: Mouse, Human, Non human primates, African green monkey |
| 免疫原 | Recombinant full length Human ERK1 expressed in bacteria. |
| 阳性对照 | 293, U2OS, K562, A549, HeLa, Jurkat, MCF7, HepG2, MEF, NIH 3T3, C2C12 and COS7 cell lysates; HeLa cells; Human colon cancer tissue. |
| 常规说明 | <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&As</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 | Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.1% BSA |
| 纯度 | Protein A purified |
| 克隆 | 单克隆 |
| 克隆编号 | 12D11 |
| 同种型 | IgG |

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab119357于以下的经测试应用

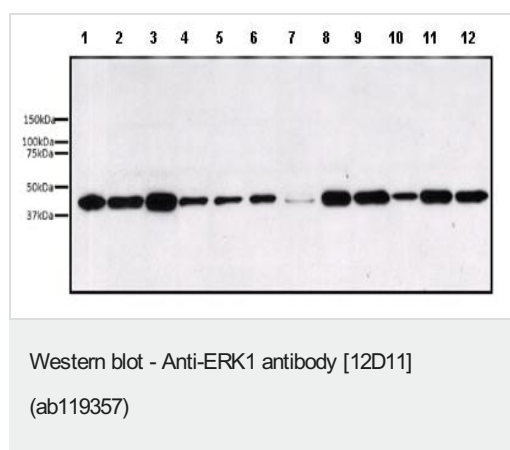
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|--------|------|---|
| WB | | 1/1000. Predicted molecular weight: 43 kDa. |
| ICC/IF | | 1/100. |
| IHC-P | | 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

靶标

| | |
|--------------|--|
| 功能 | 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 ELK-1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock factor protein 4 (HSF4). |
| 序列相似性 | Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily. Contains 1 protein kinase domain. |
| 结构域 | The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases. |
| 翻译后修饰 | Dually phosphorylated on Thr-202 and Tyr-204, which activates the enzyme. Dephosphorylated by PTPRJ at Tyr-204. |

图片



All lanes : Anti-ERK1 antibody [12D11] (ab119357) at 1/1000 dilution

- Lane 1 :** 293T cell lysate
- Lane 2 :** U2OS cell lysate
- Lane 3 :** K562 cell lysate
- Lane 4 :** A549 cell lysate
- Lane 5 :** HeLa cell lysate
- Lane 6 :** Jurkat cell lysate
- Lane 7 :** MCF7 cell lysate
- Lane 8 :** HepG2 cell lysate
- Lane 9 :** MEF cell lysate
- Lane 10 :** NIH 3T3 cell lysate
- Lane 11 :** C2C12 cell lysate
- Lane 12 :** COS7 cell lysate

Lysates/proteins at 25 µg per lane.

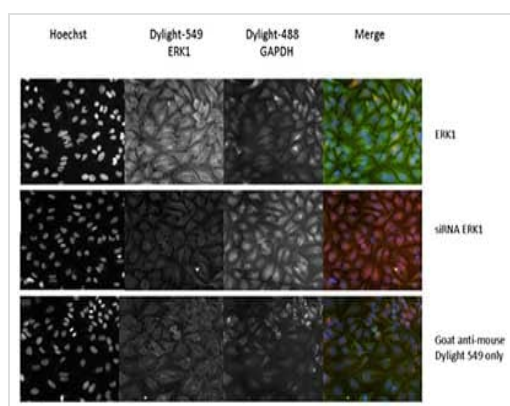
Secondary

All lanes : Goat anti-mouse-HRP at 1/25000 dilution

Developed using the ECL technique.

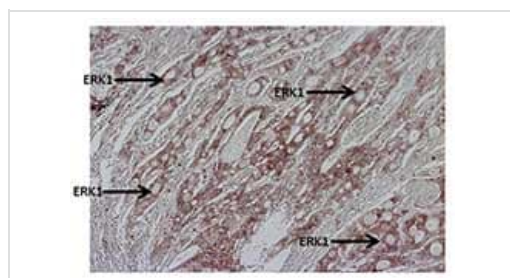
Predicted band size: 43 kDa

4-20% Tris-HCl polyacrylamide gel.



Immunocytochemistry/ Immunofluorescence - Anti-ERK1 antibody [12D11] (ab119357)

ab119357, at 1/100 dilution, staining ERK1 in untreated and siRNA knockdown treated HeLa cells (Formalin fixed and permeabilized with 0.1% Triton X-100) by Immunofluorescence followed by DyLight 549 goat-anti-mouse secondary antibody at a dilution of 1/400. Nuclei (blue) were stained with Hoechst 33342 dye.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ERK1 antibody [12D11] (ab119357)

ab119357, at 1/100 dilution, staining ERK1 in deparaffinized Human colon cancer tissue by Immunohistochemistry using a goat anti-mouse HRP secondary antibody at a dilution of 1/500 and colorimetric detection using metal enhanced DAB. Note: strong cytoplasmic localization of ERK1.

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

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