

Anti-MK2 antibody [EPR5357] ab133279

敲除验证
重组
RabMAb

3 图像

概述

| | |
|-------|--|
| 产品名称 | Anti-MK2抗体[EPR5357] |
| 描述 | 兔单克隆抗体[EPR5357] to MK2 |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: WB 不适用于: Flow Cyt, ICC/IF, IHC-P or IP |
| 种属反应性 | 与反应: Human |
| 免疫原 | Synthetic peptide within Human MK2 aa 1-100 (N terminal). The exact sequence is proprietary. |
| 阳性对照 | HeLa, 293T and A431 cell lysates |
| 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. Store at -20°C. Stable for 12 months at -20°C. |
| 存储溶液 | pH: 7.2 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EPR5357

同种型IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab133279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. Predicted molecular weight: 46 kDa. |

应用说明 Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

靶标

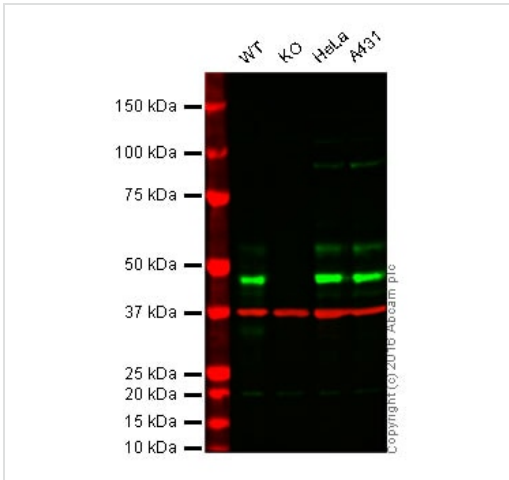
功能 Its physiological substrate seems to be the small heat shock protein (HSP27/HSP25). In vitro can phosphorylate glycogen synthase at 'Ser-7' and tyrosine hydroxylase (on 'Ser-19' and 'Ser-40'). This kinase phosphorylates Ser in the peptide sequence, Hyd-X-R-X(2)-S, where Hyd is a large hydrophobic residue (By similarity). Mediates both ERK and p38 MAPK/MAPK14 dependent neutrophil responses. Participates in TNF alpha-stimulated exocytosis of secretory vesicles in neutrophils. Plays a role in phagocytosis-induced respiratory burst activity.

组织特异性 Expressed in all tissues examined.

序列相似性 Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.
Contains 1 protein kinase domain.

翻译后修饰 Phosphorylated and activated by MAP kinase.

图片

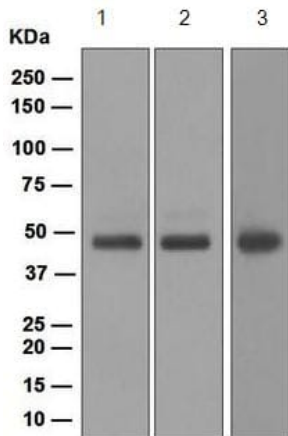


Western blot - Anti-MK2 antibody [EPR5357]
(ab133279)

Lane 1: Wild-type HAP1 cell lysate (20 µg)
Lane 2: MAPKAP Kinase 2knockout HAP1 cell lysate (20 µg)
Lane 3: HeLa cell lysate (20 µg)
Lane 4: A431 cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab133279 observed at 48 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab133279 was shown to specifically react with MAPKAP Kinase 2 when MAPKAP Kinase 2 knockout samples were used. Wild-type and MAPKAP Kinase 2 knockout samples were subjected to SDS-PAGE. ab133279 and **ab8245** (loading control to GAPDH) were diluted to 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 hour at room temperature before imaging.



Western blot - Anti-MK2 antibody [EPR5357] (ab133279)

All lanes : Anti-MK2 antibody [EPR5357] (ab133279) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293T cell lysate

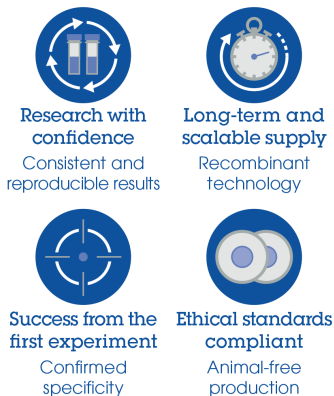
Lane 3 : A431 cell lysate

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 46 kDa

Why choose a recombinant antibody?



Anti-MK2 antibody [EPR5357] (ab133279)

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

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