For Research Use Only

ERK-MAPK Pathway Antibody Kit

Catalog Number: pk30019

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产品介绍

ERK-MAPK Pathway Antibody Kit为研究ERK-MAPK通路各步骤中涉及的关键磷酸化蛋白提供了一个经济有效的工具。非常适合信号传导研究人员启动一个新的项目，筛选多个有前景的靶点，或者只需要较少的体积。

产品成分

ERK-MAPK Pathway Antibody Kit含有针对ERK-MAPK通路中发挥关键作用的5个关键磷酸化蛋白靶点的抗体。

Antigen	Catalog No.	Host, clonality	Tested Reactivity	Applications	Volume
Phospho-MEK1 (Thr292)	67873-1-Ig	Mouse monoclonal	H, M, R	WB, FC	20 uL
Phospho-ERK1/2 (Thr202/Tyr204)	80031-1-RR	Rabbit Monoclonal	H	WB	20 uL
Phospho-RPS6KA1 (Ser380)	80108-1-RR	Rabbit Monoclonal	H, M	WB, IHC, FC	20 uL
Phospho-Jun (Ser73)	80086-1-RR	Rabbit Monoclonal	H, M	WB	20 uL
Phospho-MNK1 (Thr250/255)	81398-1-RR	Rabbit Monoclonal	H	WB	20 uL

包装规格

5× 20 uL

保存条件

-20℃保存。自收到之日起一年内保持稳定。

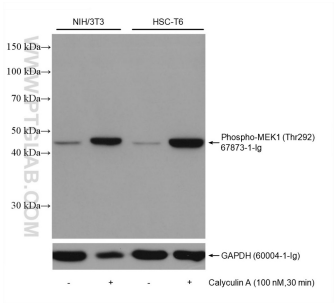
背景介绍

ERK-MAPK 信号通路通过响应生长因子，激素刺激和环境应激等细胞外信号，调控细胞增殖、分化和存活在内的各种生理活动。该通路包括多个级联反应，其中蛋白激酶依次相互磷酸化，导致下游基因表达的激活。 Phospho-MEK1 是一种 MAP2K，可在多个位点（包括 Thr202/Tyr204）磷酸化并激活 ERK1/2。一旦激活，磷酸化的 ERK 易位到细胞核，然后磷酸化下游的几个转录因子，包括 c-Jun、c-Myc、STAT 和 HIF1。 Ser/Thr 激酶如 p90RSK/RPS6KA1 和 MNK1 也可以被 ERK 磷酸化，从而分别激活额外的转录因子和翻译因子。

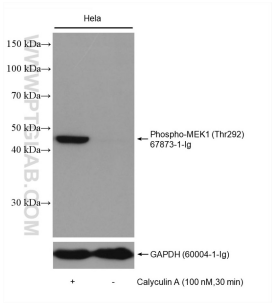
标准实验流程

点击此处查看我们用于各种应用的标准流程，包括WB、IP、IHC、IF、FC和ELISA。

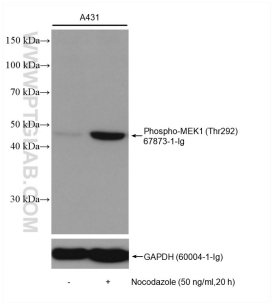
Validation Data



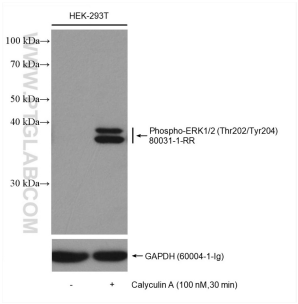
Non-treated cells and Calyculin A treated cells were subjected to SDS PAGE followed by western blot with 67873-1-Ig (Phospho-MEK1 (Thr292) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



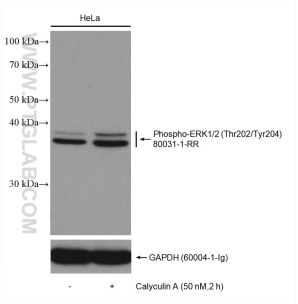
Non-treated HeLa and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 67873-1-Ig (Phospho-MEK1 (Thr292) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



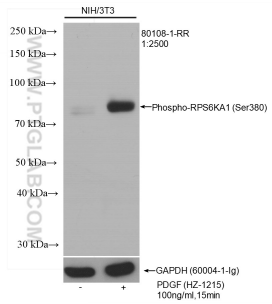
Non-treated A431 and Nocodazole treated A431 cells were subjected to SDS PAGE followed by western blot with 67873-1-Ig (Phospho-MEK1 (Thr292) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



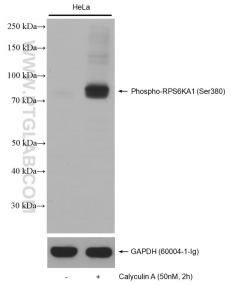
Non-treated HEK-293T and Calyculin A treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 80031-1-RR (Phospho-ERK1/2 (Thr202/Tyr204) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



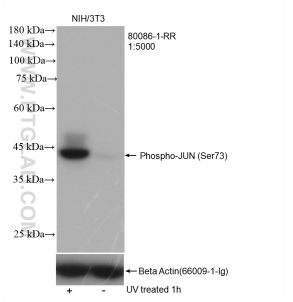
Non-treated HeLa and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 80031-1-RR (Phospho-ERK1/2 (Thr202/Tyr204) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



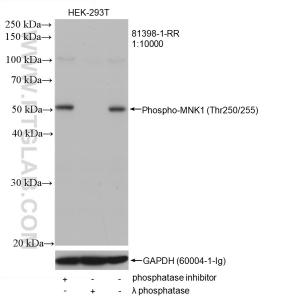
Non-treated NIH/3T3 and PDGF (HZ-1215) treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80108-1-RR (Phospho-RPS6KA1 (Ser380) antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



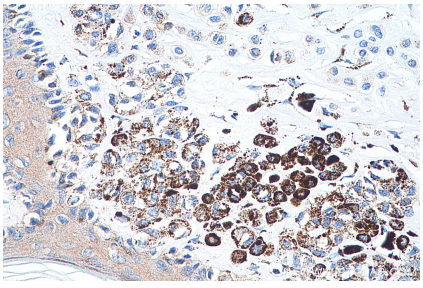
Non-treated HeLa cells and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 80108-1-RR (Phospho-RPS6KA1 (Ser380) antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



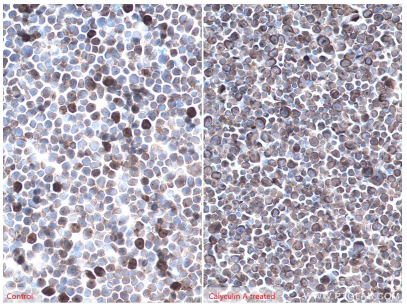
UV treated and non-treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80086-1-RR (Phospho-JUN (Ser73) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin antibody (66009-1-Ig) as loading control.



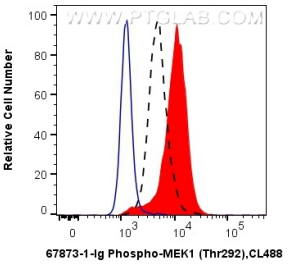
Non-treated HEK-293T cells, phosphatase inhibitor and λ phosphatase treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 81398-1-RR (Phospho-MNK1 (Thr250/255) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as... loading control.



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 80108-1-RR (Phospho-RPS6KA1 (Ser380) antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded Jurkat cells slide using 80108-1-RR (Phospho-RPS6KA1 (Ser380) antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 HeLa cells untreated (dashed lines) or Calyculin A (red) treated were intracellularly stained with 0.13 ug Anti-Human Phospho-MEK1 (Thr292) (67873-1-Ig, Clone:2D7A8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000, or 0.13 ug

For technical support and original validation data for this product please contact

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