For Research Use Only

AKT Substrate Expanded Antibody Kit

Catalog Number: PK30022

www.ptgcn.com

产品介绍

AKT Substrate Expanded Antibody Kit为研究AKT磷酸化的关键蛋白质提供了一种经济有效的工具。对于开始新项目的研究人员、筛选多个潜在目标的研究人员或那些仅仅需要较少体积抗体的研究人员来说是非常适合的。

产品成分

AKT Substrate Expanded Antibody Kit 含有 10 种针对AKT下游磷酸化的靶标。

Antigen	Catalog No.	Host, clonality	Tested Reactivity	Applications	Volume
Phospho-GSK3B (Ser9)	67558-1-Ig	Mouse monoclonal	H	WB, IHC, IF	20 uL
Phospho-mTOR (Ser2448)	80596-1-RR	Rabbit monoclonal	H, R	WB, IF	20 uL
Phospho-TSC2 (Thr1462)	80698-1-RR	Rabbit monoclonal	H	WB	20 uL
Phospho-TSC2 (Ser939)	81654-1-RR	Rabbit monoclonal	H	WB	20 uL
Phospho-FOXO1 (Ser319)	28757-1-AP	Rabbit polyclonal	H	WB	20 uL
Phospho-CREB1 (Ser133)	81871-1-RR	Rabbit monoclonal	H	WB, IHC	20 uL
Phospho-Caspase 9 (Ser196)	80346-1-RR	Rabbit monoclonal	H, M	WB	20 uL
Phospho-XIAP (Ser87)	28791-1-AP	Rabbit polyclonal	H, M, R	WB	20 uL
Phospho-ASK1 (Ser83)	28847-1-AP	Rabbit polyclonal	H	WB	20 uL
Phospho-AKT (Ser473)	80455-1-RR	Rabbit monoclonal	H	WB	20 uL

如果此试剂盒中的抗体不满足您的需求，请参考我们的“AKT Substrate Essentials Antibody Kit”。

包装规格

10×20 uL

保存条件

-20℃保存。自收到之日起一年内保持稳定。

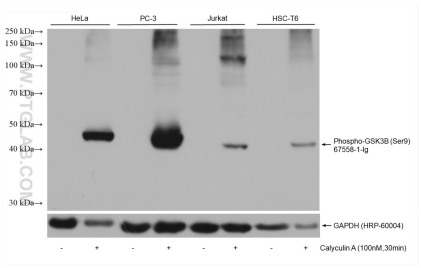
背景介绍

AKT激活后，会磷酸化多种不同的底物，从而激活或失活下游细胞功能。GSK3B 在 Ser9 位点的磷酸化会抑制其活性和随后的糖原合成。同时，AKT 介导的 mTOR 在 Ser2448 位点的磷酸化会导致其激活并形成 mTORC1 复合物。TSC2 是 mTORC1 激活的抑制剂，可通过 Thr1462 和 Ser939 位点的磷酸化来抑制。FOXO1 是一种参与细胞周期阻滞和凋亡的转录因子，可通过 AKT 在 Ser319 位点的磷酸化来抑制，从而导致其核输出。通过 Ser83 位点的磷酸化抑制 ASK1 活性和通过 Ser87 位点的磷酸化抑制 XIAP，促进细胞存活。最后，AKT 可以通过磷酸化 Caspase 9 Ser196 位点来帮助触发 caspase 级联反应。

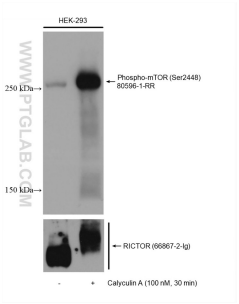
标准实验流程

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。

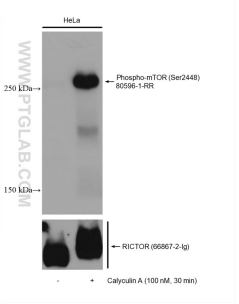
Validation Data



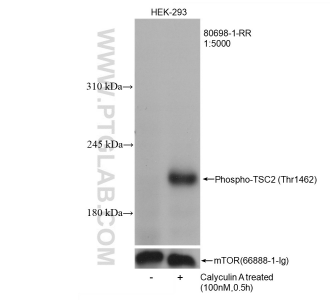
Non-treated and Calyculin A treated cell lysates were subjected to SDS PAGE followed by western blot with 67558-1-Ig (Phospho-GSK3B (Ser9) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading... control.



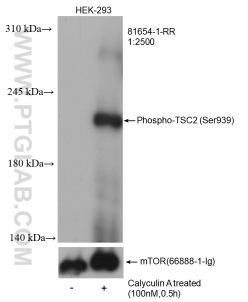
Non-treated and Calyculin A treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 80596-1-RR (Phospho-mTOR (Ser2448) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with RICTOR antibody (66867-2-Ig) subsequently.



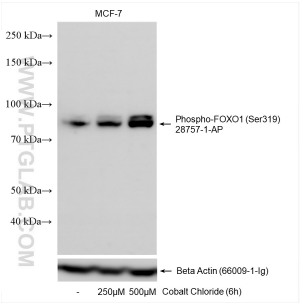
Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 80596-1-RR (Phospho-mTOR (Ser2448) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with RICTOR antibody (66867-2-Ig) subsequently.



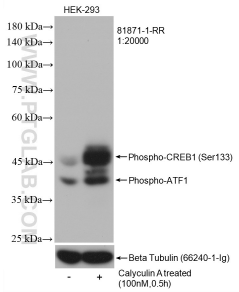
Non-treated and Calyculin A treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 80698-1-RR (Phospho-TSC2 (Thr1462) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with mTOR antibody (66888-1-Ig) as the loading control.



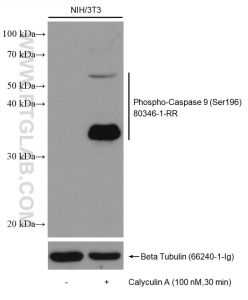
Non-treated and Calyculin A treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 81654-1-RR (Phospho-TSC2 (Ser939) antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with mTOR antibody (66888-1-Ig) as the loading control.



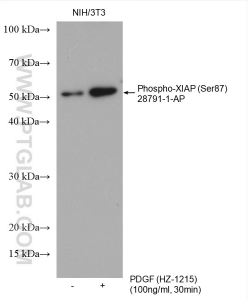
Non-treated MCF-7 cells and Cobalt Chloride treated MCF-7 cells were subjected to SDS PAGE followed by western blot with 28757-1-AP (Phospho-FOXO1 (Ser319) antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin antibody as loading control.



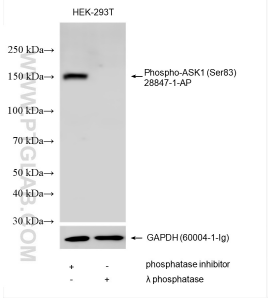
Non-treated and Calyculin A treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 81871-1-RR (Phospho-CREB1 (Ser133) antibody) at dilution of 1:20000 incubated at room temperature for 1 hours. The membrane was stripped and re-blotted with Beta-tubulin antibody as loading control.



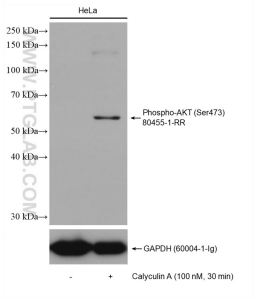
Non-treated NIH/3T3 and Calyculin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80346-1-RR (Phospho-Caspase 9 (Ser196) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Tubulin antibody as loading control.



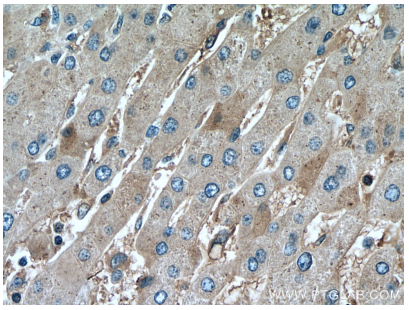
Non-treated NIH/3T3 and PDGF (HZ-1215) treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 28791-1-AP (Phospho-XIAP (Ser87) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Phosphatase inhibitor treated and λ phosphatase treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 28847-1-AP (Phospho-ASK1 (Ser83) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 80455-1-RR (Phospho-AKT (Ser473) 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



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67558-1-Ig (GSK3B-phospho-S9 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).