À des fins de recherche uniquement

Anticorps Monoclonal anti-Phospho-MEK1 (Thr292)

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:67873-1-Ig 1 Publications

Informations de base

Numéro de catalogue:
67873-1-Ig

Taille:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Hôte:
Mouse

Isotype:
IgG1

Numéro d'acquisition GenBank:
BC139729

Identification du gène (NCBI):
5604

Nom complet:
mitogen-activated protein kinase kinase 1

MW calculé
43 kDa

MW observés:
40-50 kDa

Méthode de purification:
Purification par protéine G

CloneNo.:
2D7A8

Dilutions recommandées:
WB 1:2000-1:10000

Applications

Applications testées:
FC, WB, ELISA

Demandes citées:
WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
rat

Contrôles positifs:

WB : cellules NIH/3T3, cellules A431, cellules A431 traitées au nocodazole, cellules HeLa traitées à la calyculine A, cellules HSC-T6 traitées à la calyculine A, cellules NIH/3T3 traitées à la calyculine A

Informations générales

MAP2K1 encodes MAPK1, also known as MEK1. MEK1 variants can enhance MEK1 expression and ERK1 phosphorylation that together lead to continuous activation of MEK/ERK signaling pathway. MEK1 bind directly to ERK2 through a region in the N terminus of MEK. In addition, a proline-rich (PR) regulatory sequence in MEK is also involved in MEK-ERK association and signal propagation. The coupling between MEK1 and ERK2 is enhanced through phosphorylation on S298 in the MEK1 PR region, whereas phosphorylation on MEK1 T292 releases the complex. MEK1 T292 is a substrate of ERK2, but the site is also phosphorylated at a basal level when ERK2 is inhibited, suggesting several regulators of this site . Although the S298 site in MEK2 has been conserved, it lacks the T292 phosphorylation site, and it is not a substrate of PAK1. (PMID: 31972311, PMID: 17928366, PMID: 22177953)

Publications notables

Autrice	Pubmed ID	Journal	Application
Yin Wang	36693549	J Ethnopharmacol	WB

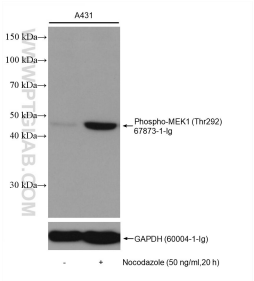
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

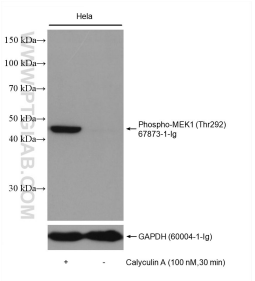
***** Les 20ul contiennent 0,1% de BSA.**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

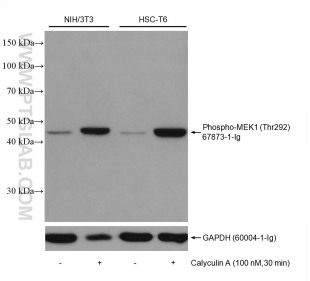
Données de validation sélectionnées



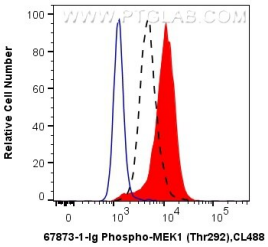
Non-treated A431 and Nocodazole treated A431 cells were subjected to SDS PAGE followed by western blot with 67873-1-Ig (Phospho-MEK1 (Thr292) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Non-treated 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 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.



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 Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.