

À des fins de recherche uniquement

Anticorps Monoclonal anti-Phospho-MEK1 (Ser298)



Numéro de catalogue: 68047-1-Ig **2 Publications**

Informations de base

Numéro de catalogue:	Numéro d'acquisition GenBank:	Méthode de purification:
68047-1-Ig	BC139729	Purification par protéine G
Taille:	Identification du gène (NCBI):	CloneNo.:
100ul, Concentration: 1000 µg/ml by Nanodrop;	5604	3F10G10
Hôte:	Nom complet:	Dilutions recommandées:
Mouse	mitogen-activated protein kinase 1	WB 1:5000-1:50000
Isotype:	MW calculé	
IgG1	43 kDa	
	MW observés:	
	40-50 kDa	

Applications

Applications testées:	Contrôles positifs:
WB, ELISA	WB : cellules HeLa, cellules A431, cellules A431 traitées au nocodazole, cellules HeLa traitées à la calyculine A
Demandes citées:	
WB	
Spécificité de l'espèce:	
Humain	
Espèces citées:	
Humain, souris	

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
Chaoqun Li	35798541	ACS Appl Mater Interfaces	WB
Hao Qin	37405911	Cell Rep	WB

Stockage

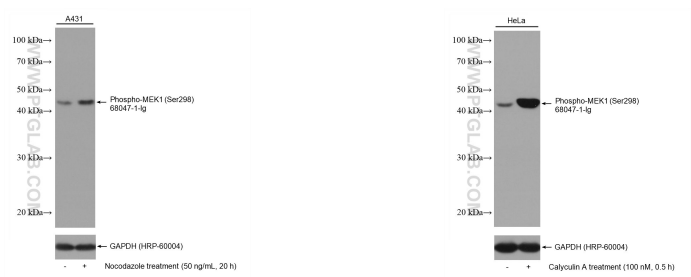
Stockage:
Stocker à -20 °C
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

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Données de validation sélectionnées



Non-treated A431 cells and nocodazole treated A431 cells were subjected to SDS PAGE followed by western blot with 68047-1-Ig (Phospho-MEK1 (Ser298) 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.

Non-treated HeLa cells and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 68047-1-Ig (Phospho-MEK1 (Ser298) 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.