À des fins de recherche uniquement

# Anticorps Monoclonal anti-Phospho-MEK1 (Thr386)

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:68015-1-Ig 1 Publications

## Informations de base

Numéro de catalogue:
68015-1-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.:
1G6A2

Dilutions recommandées:
WB 1:5000-1:50000

## Applications

Applications testées:
WB, ELISA

Demandes citées:
WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain, souris

Contrôles positifs:

WB : cellules HeLa, cellules A431, cellules A431 traitées au nocodazole, cellules HEK-293, cellules HEK-293 traitées au nocodazole, cellules HeLa traitées à la calyculine A, cellules HeLa traitées à la λ phosphatase, cellules NIH/3T3, 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 |
|---|---|---|---|
| Hao Qin | 37405911 | Cell Rep | WB |

## Stockage

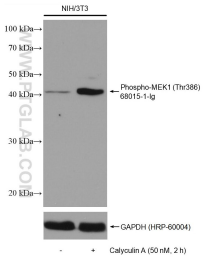
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

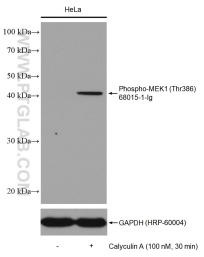
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

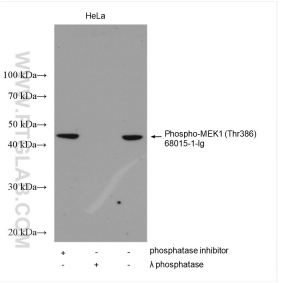
## Données de validation sélectionnées




Non-treated NIH/3T3 cells and Calyculin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 68015-1-Ig (Phospho-MEK1 (Thr386) 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 68015-1-Ig (Phospho-MEK1 (Thr386) 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, phosphatase inhibitor treated and λ phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 68015-1-Ig (Phospho-MEK1 (Thr386) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.